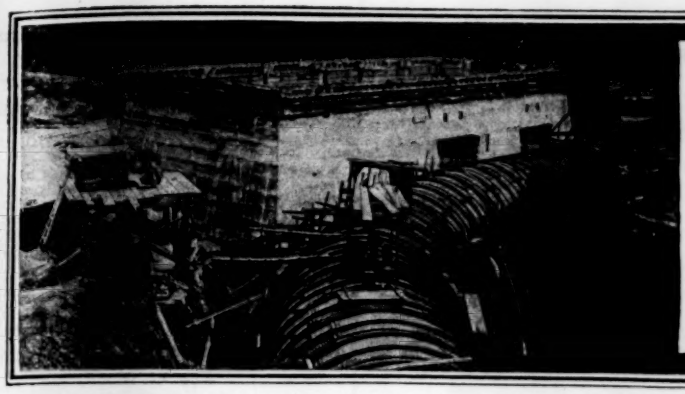

CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
July 11	Attica, N. Y.	June 16
July 11	Durant, Ia.	June 30
July 12	Kimball, S. D.	June 23
July 12	Howell, Mich. Adv. July 7.	July 7
July 14	Forest Lake, Minn.	July 7
July 15	Ilion, N. Y. Adv. June 30 and July 7.	July 7
July 19	Wingham, Ont.	July 7
July 25	Marysville, Wash	June 23
July 26	Bombay, India	Apr. 28

SEWERS

Bids Close		See Eng. News-Record
July 9	Miamisburg, O. Adv. June 16 to July 7.	June 16
July 10	Duluth, Minn.	June 30
July 11	Logan City, Utah	June 30
July 12	Paterson, N. J.	June 30
July 12	Creston, Ia.	June 16
July 12	Clayton, Mo.	July 7
July 14	Excelsior Springs, Mo.	July 7
July 15	Larchmont, N. Y.	June 30
July 16	Racine, Wis.	July 7
July 19	Columbus, O.	July 7
July 20	Reading, Pa. Adv. July 7.	July 7

BRIDGES

Bids Close		See Eng. News-Record
July 11	Pikeville, Ky.	June 9
July 11	Catskill, N. Y.	June 23
July 11	Crowell, Tex.	July 7
July 12	Fremont, O.	July 7
July 12	Fox Lake, Ill.	July 7
July 14	Phila., Pa. Adv. June 30 and July 7.	June 30
July 15	Topeka, Kan.	June 30
July 16	Manchester, N. H. Adv. June 30 and July 7.	June 30
July 19	Groton, Conn.	July 7
July 20	Martha, W. Va.	July 7
July 22	Duluth, Minn.	July 7
July 22	Ohio	July 7
Sept. 7	Kingman, Kan.	June 30

STREETS AND ROADS

Bids Close		See Eng. News-Record
July 9	Lambertville, N. J. Adv. June 23 to July 7.	June 30
July 11	Kissimmee, Fla. Adv. June 16 to July 7.	June 23
July 11	National City, N. J.	June 16
July 11	Trinidad, Col.	June 30
July 11	Canyon City, Tex. Adv. June 23 to July 7.	June 30
July 11	Los Angeles, Cal.	June 30
July 11	California	June 30
July 11	Harrisville, W. Va.	June 30
July 11	Beattyville, Ky.	June 30
July 11	New York, N. Y.	July 7
July 11	Sturgis, S. D.	July 7
July 11	Louisiana	July 7
July 12	Albert Lea, Minn.	June 23
July 12	St. John, Mich.	June 30
July 12	Holly, Mich.	June 30
July 12	Pontiac, Mich.	June 30
July 12	Jefferson City, Mo.	July 7
July 12	Kirksville, Mo.	July 7
July 12	Camden, S. C.	July 7
July 12	Chicago, Ill.	July 7
July 12	Illinois	July 7
July 12	Anamosa, Ia.	July 7
July 12	Oshkosh, Wis.	July 7
July 13	New York Adv. June 23 to July 7.	June 30
July 13	Washington, N. J. Adv. June 23 to July 7.	June 30
July 13	Mason, Mich.	June 30
July 13	Brooklyn, N. Y.	July 7
July 13	Wisconsin	July 7
July 13	Marysville, Mo.	July 7
July 13	Rusk, Tex.	July 7
July 13	Ontario	July 7
July 14	Fort Huron, Mich.	June 30
July 14	Adrian, Mich.	June 30
July 14	Charlotte, Mich.	June 30
July 14	Sturgis, Mich.	June 30
July 14	Maine	June 30
July 14	Wisconsin	July 7
July 14	Easton, Md. Adv. June 30 and July 7.	July 7
July 14	Closter, N. J. Adv. July 7.	July 7
July 14	Algonac, Mich.	July 7
July 14	Maine	July 7
July 14	Brooklyn, N. Y.	July 7
July 14	New York, N. Y.	July 7
July 15	Palestine, Ill.	June 23
July 15	Carbondale, Ill.	June 23
July 15	Flint, Mich.	June 30
July 15	Wisconsin	July 7
July 15	Missouri	July 7
July 15	Tacoma, Wash.	July 7
July 18	California	July 7
July 18	New Florence, Pa. Adv. July 7.	July 7
July 18	Nevada, Mo	July 7
July 18	Nova Scotia	July 7
July 18	Halifax, N. S.	July 7
July 19	Adrian, Mich.	June 30
July 19	Columbus, O.	July 7
July 19	Montana	July 7
July 19	North Carolina	July 7
July 20	Boone, Ia.	June 30
July 20	Pipestone, Minn.	July 7
July 20	Jackson, Minn.	July 7
July 20	Delaware Adv. July 7.	July 7
July 20	Minnesota	July 7
July 20	San Augustine, Tex.	July 7
July 21	Minnesota	July 7
July 22	Duluth, Minn.	June 23
July 22	Elkins, W. Va.	July 7
July 22	Duluth, Minn.	July 7
July 22	Ohio	July 7
July 25	Salem, N. J. Adv. July 7.	July 7
July 26	Alabama	June 23
July 26	Alabama	July 7
Aug. 1	Highland, Ill.	June 30
Aug. 2	Alabama	July 7
Aug. 4	Wichita, Kan.	July 7
Aug. 9	Syracuse, Kan.	July 7

EXCAVATION AND DREDGING

Bids Close		See Eng. News-Record
July 11	Milwaukee, Wis.	June 23
July 11	Mount Ayr, Ia.	July 7
July 12	Bedford, Ia.	July 7
July 15	Henderson, Minn.	July 7
July 15	New York, N. Y.	July 7
July 15	Olivia, Minn.	July 7
July 25	Welland, Ont.	July 7
July 27	Wisconsin Rapids, Wis.	July 7
Aug. 10	Ottumwa, Ia.	July 7

INDUSTRIAL WORKS

Bids Close		See Eng. News-Record
July 11	Mt. Clemens, Mich.	July 7
July 12	Des Moines, Ia.	July 7
July 13	Traverse City, Mich.	June 30
July 18	North Hackensack, N. J. Adv. July 7.	July 7
July 20	Delaware Adv. July 7.	July 7

BUILDINGS

Bids Close		See Eng. News-Record
July 11	Janesville, Wis.	June 23
July 11	Burlington, N. J.	June 23
July 11	Appleton, Wis.	June 30
July 11	Milton, Pa.	June 30
July 11	Johnstown, Pa.	June 30
July 11	Denison, Tex.	July 7
July 11	Buffalo, N. Y.	July 7
July 12	Oswego, N. Y.	June 16
July 12	Norfolk, Va.	June 16
July 12	Middletown, O.	June 30
July 12	Nodaway, Ia.	June 30
July 12	Rapid City, S. D.	June 30
July 12	Omaha, Neb.	July 7
July 12	New York, N. Y.	July 7
July 12	Buffalo, N. Y.	July 7
July 12	Bemidji, Minn.	July 7
July 12	Pendleton, Ore.	July 7
July 13	Buffalo, N. Y.	July 7
July 13	Wichita, Kan.	July 7
July 13	Minneapolis, Minn.	July 7
July 14	Fergus Falls, Minn.	June 23
July 14	St. Paul, Ind.	June 30
July 14	Lincoln, Ind.	June 30
July 14	Sheboygan, Wis.	July 7
July 14	Wyandotte, Mich.	July 7
July 14	Winnipeg, Man.	July 7
July 15	Durham, N. C.	June 16
July 15	Ottumwa, Ia.	June 16
July 15	Kenosha, Wis.	June 16
July 15	Ravenna, O.	June 23
July 15	Richmond, Ind.	June 30
July 15	College Point, Tex.	June 30
July 15	Huntington, W. Va.	July 7
July 18	Hartford, Conn.	June 23
July 18	Duluth, Minn.	June 30
July 18	Hamilton, Ont.	July 7
July 18	Saulte Ste Marie, Ont.	July 7
July 19	Mansfield, O.	June 30
July 19	Barnum, Ia.	June 30
July 20	Fayetteville, N. C.	June 23
July 20	Sioux City, Ia.	June 30
July 20	Allendale, S. C.	July 7
July 21	Bay Village, O.	July 7
July 22	Baddock, Pa.	June 23
July 26	Winnipeg, Man.	July 7
Aug. 1	Superior, Wis.	June 30
Aug. 2	Harrisburg, Pa. Adv. July 7.	July 7

FEDERAL GOVERNMENT WORK

Bids Close		See Eng. News-Record
July 11	Officers Quarters—Stapleton, S. I., N. Y.	June 23
July 11	Mechanical Equipment — Stapleton, S. I., N. Y.	June 23
July 11	Buildings—Dawson Springs, Ky.	June 30
July 11	Mechanical Equipments — Dawson Springs Ky.	June 30
July 11	Sub. Station—Dawson Springs, Ky.	June 30
July 11	Levee Work — Memphis, Tenn. Adv. July 7.	July 7
July 12	Maling Vestibule—Pontiac, Mich.	June 30
July 13	Water System Extension—Puget Sound, Wash.	June 23
July 13	Sanatorium Bldg.—Dawson, Springs, Ky.	June 30
July 15	Main and Sub Laterals—Sidney, Mont.	June 9
July 15	Dredging—Baltimore, Md. Adv. June 16, 23 and July 7.	June 23
July 15	Submerged Riprap Spurs — Galveston, Tex.	July 7
July 20	Fire Alarm System—New York, N. Y.	July 7
July 20	Dredging—San Francisco, Cal.	July 7
July 22	Dredging — Providence, R. I. Adv. July 7.	July 7
July 22	Towboat — Vicksburg, Miss. Adv. June 30 and July 7.	July 7
July 25	Lock Valves — Pittsburgh, Pa. Adv. June 30 and July 7.	July 7
July 27	Sprinkler System—San Diego, Cal.	July 7
July 27	Double Houses—Wheeling, W. Va. Adv. June 30 and July 7.	July 7
July 29	Dredging — New York, N. Y. Adv. July 7.	July 7

Bids Close		See Eng. News-Record
Aug. 1	Removing Boulder—Providence, R. I. ..... Adv. July 7.	July 7

MISCELLANEOUS

July 11	Culverts—Gilmer, Tex. ...	July 7
July 12	Shafts—Jersey City, N. J. ... Adv. June 23 to July 7.	June 23
July 12	Paint—New Orleans, La. ... Adv. July 7.	July 7
July 12	Lumber, etc.—New Orleans, La.	July 7
July 12	Heating and Ventilating Apparatus—Morris Park (Jamaica P. O.), N. Y.	July 7
July 13	Crushed Rock Sand—Phila., Pa.	July 7
July 15	Wharf—Le Pas, Manitoba..	June 23
July 15	Steam Shovel, etc.—Calhoun, Mo.	July 7
July 15	Pier and Platform—New York, N. Y.	July 7
July 16	Street Cleaning Machine—West Allis, Wis.	July 7
July 17	Dock—Quebec, Que.	July 7
July 17	Harbor Improvements — Port Arthur, Ont.	July 7
July 20	Pavilion — Central Islip, N. Y. ..... Adv. July 7.	July 7
July 21	Culvert, Ontario	July 7
July 30	Pumps—London, Ont. ...	June 23
Aug. 14	Victoria, Australia.....	June 2

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. J., Gloucester—Remington & Vosbury, engrs., 6th and Market Sts., Camden, open bids about July 12, building waterworks system, consisting of electrical power pumps and pumping mains, etc., for city. About $200,000. Noted March 31.

Ind., Indianapolis — Indianapolis Water Co., Monumental Circle, plans to build 1 story, brick addition to filtration beds, sufficient to handle 10,000,000 gal. daily. About $300,000. Private plans.

Ill., Washington—City plans to increase waterworks capacity from 200,000 to 400,000 gal. per 24 hours. About $75,000. A. J. Keil, clk. Engineer not selected.

Wis., Milwaukee—City having plans prepared building feeder watermains on Chambers St. from Humboldt to 9th Sts., involving 7,000 ft. 42 to 48 in. c. i. or steel pipe. About $200,000. G. F. Staal, City Hall, engr.

Wyo., Rawlins—City having plans prepared constructing 30 mi. water main from here to Sage Creek, 12 in. cast-iron pipe, to cost, $586,800; vitr. clay pipe, $237,600. Election soon to vote on bonds for project. C. C. Carlisle, Cheyenne, engr.

Mo., Craig—City having surveys made improving waterworks and electric light plant. About $40,000. E. T. Archer & Co., New England Bldg., Kansas City, engrs.

Mo., Poplar Bluff—City having plans prepared building addition to waterworks system and relaying 2, 4 and 6 in. mains. About $27,000. S. Pottinger, clk. A. E. Hecker, Poplar Bluff, engr.

Tex., Port Arthur—See "Sewers."

Okla., Cordell—City having plans prepared for diversion dam, flume and filtration plant. About $95,000. H. G. Olmsted & Co., 415 Oil Exch. Bldg., Oklahoma City, engrs.

Okla., Fairfax—City plans election soon to vote on $40,000 bonds to extend distributing system and install pumping equipment. V. V. Long & Co., Colcord Bldg., Oklahoma City, engrs.

Okla., Pryor Creek—City had plans prepared for water purification plant, 750,000 gal. daily capacity. About $75,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Spavinaw—City voted $225,000 bonds, $200,000 of which will be used for additional work to present waterworks and other $25,000 for preliminary surveys.

Col., Siebert—City plans to build waterworks system. Bonds for $50,000 voted for project. W. B. Rollins Eng. Co., 209 Ry. Exch. Bldg., Kansas City, Mo., engrs. Noted June 16.

BIDS DESIRED

N. Y., Ilion—Until July 15, by Bd. Water Comrs. improving waterworks system. G. Rasbach, clk. J. P. Wells, Cutler Bldg., Rochester, hydraulic engr.; advertised in this issue.

Mich., Howell—Until July 12, by G. E. Dailey, city clk., improving waterworks system; advertised in this issue.

Minn., Forest Lake—Until July 14, by city, completing waterworks system, involving (1) 27,800 lin.ft. 4-8 in. c.i. pipe, forty two 4-8 in. gate valves and boxes, 57 hydrants, 23,200 lbs. c.i. specials; (2) one 75,000 gal. steel tower and tank; (3) one 100,000 gal. steel tower and tank (2 and 3 alternatives). About $70,000. T. D. Arends, recdr. Druar & Milinowski, 500 Globe Bldg., St. Paul, engrs. Noted June 30.

Wash., Marysville — Until July 25, at office of W. S. Meyers, town clk., constructing waterworks system, in and adjacent to here. Stevens & Koon, Spalding Bldg., Portland, Ore., engrs.; advertised in this issue.

Ont., Wingham—Until July 19, by town care of W. A. Galbraith, drilling and casing deep well, supplying and installing 1 electric centrifugal pump, 500 gal. per minute capacity, and building pumphouse. About $25,000. Chipman & Power, Mail Bldg., Toronto, engrs.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Cambridge**—City let contract constructing rein.-con. filtration works, at Fresh Pond, to Coleman Bros. Inc., Charlestown, $791,300. Noted May 5.

★**Tenn., Nashville**—City let contract for rein.-con. grit chamber, pump station, superstructure improvements, 20 ton electric crane, pumping engine foundations and appurtenances, suction and discharge piping, valves and appurtenances, water proof lining for reservoir and removal of existing Worthington pumping engines, to W. S. Rae, Oliver Bldg., Pittsburgh, Pa. About $200,000. Noted May 5.

O., Cleveland—See "Sewers."

O., Cleveland Heights (Warrensville P. O.)—Consolidated Allotment Co. c/o F. A. Pease Eng. Co., engrs., Marshall Bldg., Cleveland, received bids laying 1,800 ft. 6 in. c.i. watermains and 4,020 ft. 12-30 in. vitr. sewer in Grosvenor and Cummins Rds., from Hadded-Mall Co., Schofield Bldg., Cleveland, $33,417; Curro Bros., 12216 Murray Hill Rd., Cleveland, $33,855.

O., Columbus—W. H. Duffy, dir. Pub. Serv. received bids June 28, extending water works system, consisting of 8 rapid sand filters, having total capacity of 24,000,000,000 gal. daily, also addition to filtered reservoir of about 6,000,000 gal. capacity, etc., from Pitt Constr. Co., Fulton Bldg., Pittsburgh, $362,947; Stange Constr. Co., Wash., D. C., $366,120; States Contg. Co., Chicago, $410,683. Noted June 9.

★**Wis., Monroe**—City let contract laying c.i. water mains in various streets, to C. T. Thorn, Oshkosh, $34,309. Noted June 9.

★**Wash., Seattle** — See "Streets and Roads."

Sewers

PROPOSED WORK

N. J., Millville—City having plans prepared building 6 mi. 8-24 in. vitr. sewer in various streets on west side. About $150,000. N. Wade, Millville, engr.

Pa., Aldan—City receives bids about Aug. 26, building 5 mi. sewerage system involving 8-12 in. vitr. pipe. About $50,000. A. F. Danon, Jr., Darby, engr. Noted June 30.

Pa., Phila.—City plans to build 36,452 ft. 2 x 3 ft. brick sewers in Gulf Rd. and following streets: London, McKean, Melville, Mentor, Mercer, Nassau, Nedro, Church, Hope, Kensington, Lunkiln, Lebanon, L, Latona, Hanson, Hartwell, Earl, Florence, 52d, Chester, Beaumont, Emely, Hancock, Granite, 18th, 59th, Folsom, Buist, Berks, 49th, Alman, Arlington, Ashland, Bambrey, Broad, Fisher, 57th, 15th, Columbia, Emery, Cemetery, Clamplost, Ella, Ognotz St. from Churchlane to Godfrey Sts. and from Churchlane to Nedro Sts., C St. from Roosevelt Blvd. to Roscomb St. and from Eleanor to Roscomb Sts. Total cost $637,400. F. Craven, City Hall, engr.

Ill., Galva — City having revised plans prepared constructing sewers and sewage disposal plant. About $25,000. C. Aby, clk. Stokes Eng Co., Kewanee, engrs.

Tex., Port Arthur—City plans election to vote on $290,000 bonds to build sewers and watermains, also $20,000 bonds to build incinerator. C. W. Hughes, city engr.

Okla., Commache — City voted $150,000 bonds to build sewage disposal plant.

Wash., Tacoma—Comrs. Pierce Co. received no bids June 22 replacing present wooden sewer in Buckley Gulch. About $183,000. J. C. Manley, Tacoma, engr. Noted April 28.

BIDS DESIRED

Pa., Reading — Until July 20, by City Clerk, building concrete storm sewer in North 2d St. from Elm to Greenwich Sts. E. B. Ulrich, city engr.; advertised in this issue.

O., Columbus—Until July 19, by W. H. Duffy, dir. Pub. Serv. building sanitary sewers in alley west of Monroe Ave. from alley north of Mt. Vernon to Leonard Aves., Christopher from Schumacher Ave. to alley south of Leonard Ave., and in alley west of Taylor Ave. from alley north of Harvard Ave., north. About $27,000.

Wis., Racine—Until July 16, by Farm Drainage Bd. building sewers in Dist. 1, involving 29,240 ft. 6 to 27 in. tile drains. J. English, Kansasville, secy. M. Dodge, Washington Bldg., Madison, engr.

Mo., Clayton—Until July 12, by city, building concrete tank and 6-8 in. sewers in various streets. About $25,000. E. Rapp, Commercial Bldg., engr.

Mo., Excelsior Springs—Until July 14, by city, laying 10-18 in. vitr. tile sewers and building disposal plant. About $60,000. Shockley Eng. Co., Graphic Arts Bldg., Kansas City, engrs.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

N. Y., Brooklyn—E. Riegelmann, boro. pres., Borough Hall, received bids June 22 repairing sewer in 60th St. between 15th and 19th Aves., from J. S. Cogan Co., 233 Bway., New York City, $208,850; T. J. Heiley, $215,150; Necaro Co., Inc., 97 Court St., $243,400.

★**N. Y., New York**—H. H. Curran, pres. Manhattan Boro, Municipal Bldg., let contract building sewer and appurtenances in West 187th St. and Ft. Washington Ave., to Slattery Eng. & Contg. Co., 7 East 42d St., $43,819. Noted June 30.

★**N. Y., Syracuse**—Intercepting Sewer Comn. let contract building outfall sewer to Onondaga Lake, to C. T. Hookway, Bastable Bldg., $71,992; outfall sewer from water line of lake, to T. A. Scott, 292 Pequot Ave., New London Ave., $65,182. Noted June 16.

★**Pa., Oakmont**—Haverford Twp. let contracts building various roads, Sects. 1 and 3, to Oneill Co., 127 East Mermaid Lane, Phila., $71,490 and $52,490, respectively; Sect. 4, to Amer. Paving & Material Co., 207 South 9th St., Phila., $58,654; Sect. 5, to F. L. Ramsdale & Co., Phila., $62,800; Sect. 6, to L. Mariani & Co., Phila., $63,710; Sect. 7, to A. J. and D. M. Fraser, Phila., $48,145; Sect. 2, to Larson Underpining & Constr. Co., Phila., $45,903.

★**Pa., Reading**—City let contract building house sewer trunk line, to J. O'Rourke, 407 Douglass St., Reading, $133,600. Noted June 9.

O., Cleveland Heights (Warrensville P. O.)—See "Waterworks."

★**O., Cleveland**—City let contract laying 5,890 ft. 12-36 in. vitr. sewer in Mt. Overlook Ave., East 124th, 126th and 127th Sts., to Salem & George Bros., 237 Bradley Court, $32,227. Noted June 30.

O., Cleveland—City received bids building sewer in Sect. 1 Central Ave., from Gallagher Burke Constr. Co., 1339 Irene Ave., $47,630, Manson Co., Engineers Bldg., $49,650; in Sect. 2, from S. Amatto, 343 The Arcade, $35,541, W. McDowell & Son, 10319 Miles Ave., $36,308. Noted June 23.

O., Cleveland—Cedarbrook Land Co., c/o F. A. Pease Eng. Co., engrs., Marshall Bldg., received bids building sewers and watermains in (1) Wynn Rd., (2) Raymont Blvd., (3) Tullmore Rd., (4) Cedarbrook Rd., (5) Jackson Blvd., involving 10,675 ft. 6-8 in. c.i. and 18,080 ft. 12-30 in. vitr. pipe, from A. Marra, Illuminating Bldg., (1) $2,082, (2) $17,969, (4) $1,060, (5) $12,547; Hadded Mall Co., Schofield Bldg., (1) $2,188, (3) $9,969, (5) $12,902; Curro Bros., 12206 Murray Hill, (2) $18,428, (3) $9,439, (4) $1,060.

Mich., Detroit—City received bids bidding (1) Mack Ave. sewer, (2) Kirby Ave. Arm Sewer, (3) Sect. 8, Seven Mile Rd. Sewer, (4) Sects. 1 and 2, Seven Mile Rd. Sewer, from J. A. Mercier, 216 Hammond Bldg., (1) $45,597, (2) $60,629; R. H.

Sewers (continued)

Hidey Co., 400 Penobscot Bldg., (1) $52,970; W. Porath, 1410 West Grand Blvd., (1) $51,852; R. A. Mercier 6 Campau Bldg., (2) $63,531; C. A. Handyside Constr. Co., Northwester Ave., (2) $67,087; Gawne Constr. Co., 624 Penobscot Bldg., (3) $103,545; W. Blanck Co., 827 Ford Bldg., (3) $96,019; R. D. Baker, 1631 Elmhurst Ave., (3) $103,345; Gass Thurston Co., (4) $816,486; Nash Bros., Lonyo and Kirkwood Aves., (4) $549,684; Booth & Flynn, 17 Battery Pl., New York City, (4) $771,668. Noted June 16.

★**Ill., Marion**—City let contract constructing sewers and sewage disposal plant, involving 6 to 12 in. vitr. pipe, to B. S. Craine & Co., 312 West Main St., Carbondale, $158,328.

★**Wis., Monroe**—City let contract building sanitary and storm sewers in various streets, to C. T. Thorn, Oshkosh, $6,711 and $14,522 respectively. Noted June 9.

★**Minn., Stillwater**—City let contract constructing outfall sewer in Mulberry St., to McGee, Nolan & Brotherton, Stillwater, $62,699. Noted June 16.

★**Minn., Twin Valley**—City let contract building 11,710 lin.ft. 8-10 in. sewer, etc. in various streets, to O'Neil & Preston, 608 Exch. Bank Bldg., St. Paul, $27,208. Noted June 2.

★**S. D., McLaughlin** — City let contract building sewerage system and disposal plant, involving 5,500 lin.ft. 8-15 in. vitr. tile, to Mobridge Plumbing & Heating Co., Mobridge. About $58,000. Noted May 12.

★**S. D., Springfield**—City let contract laying 20,000 ft. 8-15 in. vitr. clay sewer pipe, to W. B. Carter, 606 United Bank Bldg., Sioux City, Ia. Noted March 10.

Ore., Portland—City received bids building Foster Rd. sewerage system, involving 86,931 cu.yd. earth excav., 7,901 ft. 6-27 in. vitr. or concrete pipe, 11,841 ft. 36-78 ft. segmental block or rein.-con. pipe, etc. J. F. O'Shea, 112 North 19th St., $338,634; Hausen Constr. Co., Henry Bldg., $338 858, alternate $321,878; Jacobson Jensen Constr. Co., 407 Stanton St., $353,502.

Bridges

PROPOSED WORK

N. Y., Lancaster—Town voted $33,000 bonds to build steel and concrete bridge on Schwartz Rd. A. R. Krehbiel, Lancaster, engr.

North Carolina—State Highway Dept., Raleigh, plans to build bridge across Roanoke River, at Edwards Ferry. About $145,000. C. Upham, state highway engr.

N. C., Halifax—See "Streets and Roads."

O., Columbus—J. R. King, prosecutor of Franklin Co., rescinded contracts for building structural steel bridge over Scioto River on Sandusky St. Noted June 23.

Minn., Marshall—Lyon Co. plans to build Bridge 3521 over Yellow Medicine River, Westerheim Twp., to have four 30 ft. beam spans, rein.-con. abutments. About $25,000. R. D. Houdersheldt, aud. state highway comr., 920 Guardian Life Bldg., St. Paul, engrs.

Missouri—State Highway Dept., Jefferson City, plans to build three 70 ft. pony truss spans, etc., on road from Butler to Rich Hill, Federal Aid Project 167, Bates Co., involving 129.5 cu.yd. Class A, 188.2 cu.yd. Class B and 121.2 cu.yd. Class C concrete, 28,240 lb. reinforcing and 99,600 lb. fabricated structural steel, etc. About $32,000. A. Graham, state highway engr.

Tex., Madisonville—Madison Co. having plans prepared for 1,000 lin.ft. creosoted timber bridges, 16 ft. roadway. S. C. McCarty, co. engr.

Okla., Enid — Garfield Co. receives bids about Aug. 1, building concrete bridges and culverts, to include 2 x 2 ft. culverts., 40 ft. slab and girder bridges, one 70 ft. cantilever bridge and possibly one 200 ft. low water bridge. About $200,000. F. W. Denner, Enid, engr.

BIDS DESIRED

Conn., Groton (New London P. O.)—Until July 19, by C. J. Bennett, state highway cmr., 240 Farmington Ave., Hartford, fabricating and erecting superstructure of bridge over Mystic River, between here and Stonington; advertised in this issue. Noted June 16.

Ill., Fox Lake—Until July 12, at office of C. E. Russell, Lake Co. supt. highways (Waukegan), building 63 ft. span steel lattice truss bridge, with concrete flooring and sidewalks, over Nippersink Channel, here, for village and Lake Co.

W. Va., Martha—Until July 20, by Comrs. Cabell Co., (Huntington), building 100 ft. span bridge, 16 ft. roadway, creosoted wood block floor, over Mill Creek, near here. J. N. Doyle, Huntington, engr.

Ohio—Until July 22, by State Highway Dept., Columbus, building bridges in following counties:

Putnam Co., Sect "J" Lima-Ottawa Rd., $7,326.

Cuyahoga Co., Sect. "J" Twinsburg-Elyria Rd., $31,250.

Lake Co., Sect. "J" Cleveland-Buffalo Rd., 0.16 mi., $115,218.

Logan Co., Sect. "B" Bellefontaine-Marysville Rd., $7,806. E. S. Smith, state highway engr.

O., Fremont—Until July 12, by Comrs. Sandusky Co., building 350 ft. concrete bridge, to have 5 arches, over Sandusky River, on State St. About $225,000. Braun, Fleming, Knollman & Prior, 233 South High St., Columbus, engrs. Noted Feb. 10.

Wisconsin—See "Streets and Roads"

Minn., Duluth—Until July 22, by F. W. Borgin, aud. St. Louis Co., building one 40 ft. concrete arch on Federal Aid Project 201; one 120 ft. bridge having three 40 ft. concrete slabs; one 38 ft. and one 56 ft. concrete arches; one 60 ft. bridge having three 20 ft. slabs; one 90 ft. arch; one 80 ft. steel truss; nine concrete structures, ranging from 20-30 ft.; one 240 ft. and one 416 ft. steel viaducts, etc. Work involves 4,000 cu.yd. rein.-con. and 300 ton steel. Above bridges to be built on North Shore Rd. of Miller Trunk Highway, north of here, near Embarras. About $400,000. R. W. Acton, co. engr.

Tex., Crowell—Until July 11, by G. L. Burk, judge Foard Co., building 0.151 mi. creosoted timber pile trestle bridge and two 34 ft. I beam bridges over Wichita River, between Foard and Knox Counties, involving 25,430 lb. steel, 5,765 lin.ft. wooden piling, etc. About $25,500. L. Noland, Crowell, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Mass., Lynn—State Highway Dept., 18 Tremont St., Boston, received bids building 663 ft. steel girder bridge, masonry pilings and concrete flooring, over Saugus River, here, from Aberthaw Constr. Co., 27 School St., Boston, $125,467; Bay State Dredging & Constr. Co., 62 Condor St., East Boston, $136,534; Coleman Bros., Charlestown, $139,565. Work involves 900 cu.yd. rein.-con. 525 ton steel, 1,200 cu.yd. stone, 20,000 lin.ft. piling, etc. Noted June 30.

★**Massachusetts** — State Highway Dept., 413 State House, Boston, let contract constructing 2 concrete bridges, on state highway, in Williamstown, Lanesburg and New Ashton, to Rendle-Stoddard Co., Chelsea, $42,006.

Conn., Groton—State Highway Dept., 240 Farmington Ave., Hartford, received bids June 28, constructing sub-structure and approaches to Mystic River Bridge, between here and Stonington, from J. E. Fitzgerald Co., State and Main Sts., New London, $73,063; C. W. Blakeslee & Sons, 57 Waverly St., New Haven, $96,690; T. F. McGovern, 95 Main St., Southbridge, $105,003. Noted June 16.

★**Pa., Phila.**—City let contract building approaches from parkway to Art Museum, to E. A. Midlen, 5512 Vine St., $66,542.

★**North Carolina**—State Highway Comn., at div. office, Durham, let contract constructing bridges on State Aid Project 560, involving 1,696 cu.yd Class A concrete and 178,940 lb. reinforcing steel, etc., to Hobbs & Kitchen, Blacksburg, S. C., $53,814. Noted June 23.

★**S. C., Lanes**—Bd. Comrs. of Santee Bridge Dist., at Chamber of Commerce Bldg., Charleston, let contract constructing approaches of highway bridge over Santee River, here, between Williamsburg and Berkeley Counties, to Reed & Low, Charlotte, N. C. About $620,000. Noted June 9.

★**Alabama**—State Highway Dept., Montgomery, let contract building concrete bridges on Sect. A, road from Talladega to Calhoun Co. line, also bridge over Chocolloco Creek on road from Talladega to Calhoun Co. line, to Stanley & Singer Constr. Co., La Fayette, $26,801 and $27,917, respectively. Noted June 30.

★**Kentucky** — State Highway Comn., Frankfort, let following contract removing old bridge and building 90 ft. steel clear span, sheet asphalt surface, at Sta 4 plus 18, for Bell Co., superstructure, to Louisville Bridge & Iron Co., 11th and Oldham Sts., Louisville, $33,335; substructure, to G. M. Eady Co., Brook St. between A and Lee Sts, Louisville, $40,662.

★**Ill., Danville**—City let contract building 1,038 ft. bridge, 30 ft. wide, to have 8 girder spans, 6 arch spans, two 6 ft. sidewalks, over Vermillion River, to M. Yeager & Son, Danville. About $250,000.

★**Wis., Racine**—Bd. Pub. Wks. let contract building rein.-con. bridge on West 6th St., to McGucken Constr. Co., 425 East Water St., Milwaukee, $133,900. Noted June 30.

Wis., Rice Lake—City received bids building 220 ft. rein.-con. bridge, 24 ft. roadway, two 6 ft. walks, over Red Cedar River, from Blake Constr. Co., 627 South River St., Appleton, (steel truss type) $28,350; Stein Constr. Co., 204 Grand Ave., Milwaukee, (concrete arch type) $36,802.

★**Kan., Belleville**—Republic Co. let contract building rein.-con. bridge over Republic River, to have three 100 ft. steel spans to Pioneer Constr. Co., New York Life Bldg., Kansas City, $28,676.

★**Kan., Wichita**—Sedgwick Co. let contract building 6 rein.-con. bridges, to M. R. Aumerman, Wichita, $51,827.

★**Tex., Lufkin**—Angelina Co. let contract building 1,200 ft. creosoted pile trestle bridges on State Highway 35, involving 9,100 lin.ft. wooden piling, 61,064 ft. treated and 73,276 ft. untreated timber, to Austin Bros. Bridge Co., Coombs St., Dallas, $27,286 including 10 per cent for engineering and contingencies.

Tex., Wharton—Wharton Co. received bids building rein.-con. trestle bridge over San Bernando River, between Wharton and Ft. Bend Counties, (a) 880 ft., concrete slab bridge with abutments and intermediate pier bents of the open type or as alternate, (b) pre cast concrete pile bents, from Walsh & Burney, 301-2 Hicks Bldg., San Antonio, (a) $65,413, (b) $56,345; Dodds & Wedegartner, San Benito, (a) $65,577, (b) $58,978; C. S. Basham & Sons, Rusk and Caroline Sts., Houston, (a) $72,481, (b) $61,039. Noted Jun. 23.

Col., Monte Vista—State Highway Comn., Denver, received bids building 150 ft. concrete and steel bridge across Rio Grande River, near here, from Monarch Eng. Co., West Colfax and Larimer Sts., Denver, $30,160; Colorado Bridge & Constr. Co., Gas & Electric Bldg., Denver, $31,288; H. W. Fox, Florence, $31,874. Noted June 16.

★**California**—State Highway Comn., 515 Forum Bldg., Sacramento, let contract constructing rein.-con. girder bridge, having two 34 ft. spans, across Long Valley Creek, Sta. 411-50, to C. H. Gildersleeve, Fresno. Noted June 3.

Streets and Roads

PROPOSED WORK

N. H., Dover—City plans to permanently pave various streets. About $30,000. Address Dept. Pub. Wks., City Hall.

Rhode Island—State Highway Dept., Providence, plans to resurface 1.9 mi. Barrington Parkway from Warren Ave. southerly, in East Providence, bituminous macadam. Address Metropolitan Park Comn., State House, Providence.

N. J., Mt. Holly—City having plans prepared improving various streets. About $40,000. Haines & Sherman, Temple Bldg., Camden, engrs.

N. J., Salem—Bd. Freeholders Salem Co. having plans prepared paving 4 mi. road from Woodstown toward here. About $180,000. H. Keasby, Mecum Bldg., engr.

Pa., Phila.—City plans to grade portion of 19th, Almond, Arlington and Belmar Sts., involving 2,824 ft. 80 ft. wide.

Folsom, Luzerne and 57th Sts., involving 6,272 ft., 50 ft. wide.

Nassau, Mercer, Melville, Mascher, 53d, 52d, 49th, 4th, Erdrick, Ella, Berks, Beaumont, B, Avondale, American, Oxford, Percy, Salmon, Schiller, Rucomb, Sprague, Thompson, Tiago, 10th, Trinity, 13th, 22d, Windsor and Walker Sts., Rising Sun, Roberts, Lindley, Montgomery, Benson, Chelwynde, Columbia, Fisher, Abbottsford, Malvern and Buist Aves., York Rd. and Limekiln Pike, involving 114,792 ft., 60 ft. wide. F. Dunlap, city engr.

North Carolina—State Highway Dept., Raleigh, plans to grade and pave 9.57 mi. State Aid Project 609, Pitt Co., involving 10,000 cu.yd. grading and 90,000 sq.yd. concrete, topeka or asphalt, about $260,000; grading, scarifying, reshaping and paving 2.28 mi. State Aid Project 591, Union Co., involving 3,330 cu.yd. grading, 18,735 sq. yd. topeka or sheet asphalt, about $62,000; clearing, grubbing, draining, grading and topsoiling 12 mi. road from Scotland Neck to Rich Square, State Aid Project 602, Halifax and Northampton Counties, about $55,000. C. Upham, state highway engr.

North Carolina—State Highway Comn., Raleigh, plans to grade, drain and pave 2.65 mi. road from Bridgeton to Broad Creek, State Aid Project 516, Craven Co.,

Streets and Roads (Continued)

concrete, about $112,000, 4.8 mi. road from Weldon to Roanoke Rapids, State Aid Project 601, Halifax Co. cement or asphaltic materials, $150,000; grade, drain and surface 5 mi. road from north end of Federal Aid Project 86-A to Windsor, State Aid Project 604, Bertie Co., topsoil, $30,000, 18 mi. road from Greenville, via Grimesland to Beaufort Co. line, State Aid Project 608, Pitt Co., topsoil $100,000; grade, drain, bridge and surface 7.16 mi. road from Forsyth-Stokes Co. line to Rockingham Co. line, State Aid Project 543, Stokes Co., topsoil for sand clay, $40,000. C. Upham, state highway engr.

North Carolina—State Highway Comn., Raleigh, having plans prepared grading, draining, bridging and surfacing 10.2 mi. road from Transylvania Co. line to Hendersonville, State Aid Project 570, Henderson Co., gravel, about $110,000, 7.2 mi. road from Sta. 813 of Federal Aid Project 84B, near Marion, toward Asheville to Sta. 1237, State Aid Project 571, McDowell Co., sand clay, $57,000, 12 mi. road from Jefferson to Wilkes Co. line, State Aid Project 533, Ashe Co., gravel, $75,000, 11 mi. road from Caswell Co. line to Graham, State Aid Project 555, Alamance Co., topsoil, $60,000, 7 mi. road from near Doughton to State Rd., State Aid Project 549, Surry and Wilkes Counties, topsoil, $30,000; clearing, grubbing, grading, draining, bridging and surfacing 7 mi. road from end of Federal Aid Project 100B, to Mitchell Co. line, State Aid Project 575, Avery Co., gravel, $50,000; clearing, grubbing, draining, grading, bridging, topsoiling and paving 6.8 mi. road from Washington Co. line to Scuppernong River, State Aid Project 558, (0.8 mi. to be paved with concrete), Tyrrell Co., $75,000; grading, draining, clearing, grubbing, bridging and paving 20.3 mi. road from Edenton to Gates Co. line, State Aid Project 563, Chowan Co., $480,000, 27.6 mi. road from Lenoir Co. line to Craven Co. line, State Aid Project 536, Jones Co., $580,000, latter project to be paved with concrete or some asphaltic type. C. Upham, state highway engr.

N. C., Durham—City plans to pave 60,000 sq.yd. street and 15,000 sq.yd. sidewalks. About $230,000. H. W. Kueffner, Durham, engr.

N. C., Halifax—Halifax Co. plans to construct and improve various roads and bridges. About $250,000. C. F. Gore, Weldon, engr. and supt.

N. C., Hendersonville — Henderson Co. plans to grade, drain, build bridges and surface 20 mi. roads, some type of hard surface. About $600,000. H. G. Bailey, Hendersonville, engr.

N. C., Hillsboro—Orange Co. plans to improve and construct various roads and small bridges. About $25,000. R. H. Ward, Chapel Hill, Chn. Bd. Co. Comrs.

Fla., Wauchula — City plans election to vote on $75,000 bonds to build 3.3 mi. various streets, brick or concrete. J. C. McEwen, clk.

La., New Orleans—City plans to pave Audubon St. from St. Charles to Zimple Aves., Audubon St. from Green to South Clairborne Sts., Broad St. from Canal to Washington Aves., Elmira St. from St. Cloude Ave. to Florida Walk, Elm St. from Upper Foucher Line to Adams St., Freret St. from Napoleon Ave. to Upper Foucher Line, Gravier St. from South Franklin to South Clairborne Sts., Howard St. from Calliope to Napoleon Aves., Poplar St. from Upper Foucher Line to Carrolton Ave., Willow St. from Napoleon Ave. to Upper Foucher Line, repave Esplanade Ave. from Board to Moss Sts., Elysian Fields St. from Burgundy to North Clairborne Sts., Chartres St. from Lafayette to Poland Sts., North Clairborne Ave., Riverside) from Esplanade to Elysian Fields Aves., North Clairborne Ave. (lake side) from Old Basin Canal to Esplanade Ave., Iberville St. from North Franklin to Clairborne Sts., Magazine St. from St. Joseph to Washington Aves., Thalia St. from Tchoupitoulas St. to Dock Blvd. roadway.

Tenn., Newport—City plans to pave various streets. About $200,000. J. B. McCalla, Newport, engr.

Ohio—State Highway Dept., Columbus, plans to drain, building bridges and culverts and pave 4 mi. Westerville Rd., Franklin Co., brick on 6 in. concrete base. About $145,000. E. S. Smith, state highway engr.

O., Columbus—City plans to grade, drain and pave 693 ft. alley west of Champion Ave. from Fulton to Marberry Sts., brick, $7,985, concrete $6,377; 6,900 ft. Leonard Ave. from 5th Ave. to Sunbury Rd., waterbound macadam, $9,165; bituminous concrete, $12,615; bitoslag, $22,965. R. H. Simpson, City Hill, engr.

Michigan—State Highway Dept., Lansing, plans to grade, drain and surface 2 mi. State Trunk Line Rds. 13-30 and 24-21, in Big Rapids, also 1⅞ mi. State Trunk Line Rd. 29-3, in Coldwater, concrete or bituminous concrete. F. F. Rodgers, state highway comr.

Mich., Detroit—City plans to grade and pave Grand River Ave. from Joy Rd. to city limits, involving 23,000 sq.yd. sheet asphalt on 8 in. concrete foundation. About $110,000. C. W. Hubbell, city engr.

Mich., Detroit—City plans to pave with sheet asphalt on 8 in. concrete base Cortland Ave. from 12th St. to Wabash Ave., cost $6,370; Dane Ave. from Elmwood to Mt. Elliott Aves., $31,390; Manistique Ave. from Charlevoix to Mack Aves., $23,250; Kerwin Ave. from Shoemaker to Harper Aves., $40,380; Hazelwood Ave. from Lawton Ave. to Dexter Blvd., $35,440; Cascade Ave. from Joy Rd. to Burlingame Ave., $65,290; Lambert Ave. from Helen to Frontenac Aves., $10,050; Cherry Lawn Ave. from Grand River to Cortland Aves., $29,540; Yellowstone Ave. from Kay to Burlingame Aves., $46,730; Eastlawn Ave. from Mack to Canfield Aves., $40,390; Quincy Ave. from Boston Blvd. to Collingwood Ave., $16,570; Maxwell Ave. from Harper to Georgia Aves., $33,300; Gladstone Ave. from Linwood to Lawton Aves., $17,220; Edgevale Ave. from John R. to Brush Sts., $22,040. C. W. Hubbell, city engr.

Ill., Benton—Benton Twp. having surveys made grading and paving Thompsonville Rd., 16 ft. wide. About $46,000. C. B. Mautz, Benton, engr.

Ill., Benton—City plans to pave McLeansboro Rd., involving 5,702 ft. concrete, 4,705 lin.ft. integral curbing, 2,900 cu.yd. earth excav. Cost $28,498. C. B. Mautz, city engr.

Ill., Christopher—City plans to pave 30 blocks, State, Victor, Emma and Sylvia Sts., 24 ft. wide, brick, asphalt filler. C. B. Mautz, Benton, engr.

Ill., Frankfort Heights—Frankfort Twp. having surveys made grading, draining and building novaculite slab on 3½ mi. road 16 ft. wide. About $50,000. C. B. Mautz, Benton, engr.

Ill., Mt. Vernon—City having plans prepared surfacing 5 mi. various streets, 24 ft. wide, brick on concrete base. About $165,000. A. Westcott, clk. A. C. Stanfield, Pana, engr.

Ill., West Frankfort—Denning Twp. having surveys made grading, draining and paving 3½ mi. Pershing-Zeigler and Orient Rds., 15 to 18 ft. wide, novaculite. About $50,000. C. B. Mautz, Benton, engr.

Ia., Dennison—Crawford Co. had plans prepared and soon receives bids grading and draining 15.6 mi. primary road, Project 8; 4 mi. primary road south from Kiron, Project 4; 2½ mi. primary road southwest of Charter Oak and 3½ mi. northwest of here, Project 34; 5 mi. primary road west from Manilla, 26 ft. roadway, Project 45. Iowa Highway Comn., at div. office, Ames, Engrs.

Ia., Des Moines—City plans to pave and curb 15 blocks East 29th St. from Easton Blvd. to city limits, also Ingersall Ave. from West 28th to West 38th Sts., sheet asphalt. About $38,000. K. C. Kastberg, city engr.

Ia., Ida Grove—Ida Co. had plans prepared and soon receives bids grading and draining 13 mi. primary road, 8 mi. from Holstein through Galva to county line and 5½ mi. northwest from Battle Creek, Project 101. Iowa Highway Comn., at div. office, Ames, engrs.

Ia., Le Mars—Plymouth Co. had plans prepared and soon receives bids grading and draining 6.5 mi. Federal Aid Project 38, Sect. A, from here to Wren Junction; 14 mi. primary road north and south of here, Project 74; 20.6 mi. primary road 26 ft. roadway, Project 39. Iowa Highway Comn., at div. office, Ames, engrs.

Ia., Onawa—Monona Co. had plans prepared and soon receives bids grading and draining 11.074 mi. primary road from Mapleton through Ute to county line, Sect. "B," Project 38, involving 128,539 cu.yd. earth excav., 1,685 ft. 8-12 in. tile, etc.; 11 mi. primary road from Turin to Soldier, Sect. "C," Project 38, 151,984 cu.yd. excav., 200 ft. 12 in. tile, etc.; 10 mi. primary road from Soldier northeast to county line, Sect. "D," Project 38, 150,000 cu.yd. excav. Iowa Highway Comn., at div. office, Ames, engrs.

Ia., Orange City—Sioux Co. having plans prepared grading and draining 23 mi. primary road, 26 ft wide, east, west and south of Hull, Project 83. owa Highway Comn., at div. office, Ames, engrs.

Ia., Primghar—O'Brien Co. had plans prepared grading, draining and paving 28.3 mi. primary road east and west across county through Paullina and Sutherland, 18 ft. pavement, Project 69. Iowa Highway Comn., at div. office, Ames, engrs.

Ia., Rock Rapids—Lyon Co. having plans prepared grading and draining 16 mi. primary road, Project 85. Iowa Highway Comn., at div. office, Ames, engrs.

Ia., Sibley—Osceola Co. rejected bids opened June 23, grading 22 mi. secondary roads, involving 105,667 cu.yd. excav. About $30,000. W. H. Hilborn, Sibley, engr. Noted June 23.

Ia., Sioux City—City having plans prepared paving with concrete, asphaltic concrete, sheet asphalt or brick block, Clinton St. from Morningside to 4th Aves.; Main St. from 14th to 16th Sts; West Riverside Ave. from John to Leonard Sts.; 23rd St. from Clark to Chambers Sts.; Riverside Blvd. from south line Riverside Blvd. to south line Riverside Park addition. A. M. Schott, City Hall, engr.

Minnesota — State Highway Dept., 920 Guardian Life Bldg., St. Paul, having plans prepared and soon receives bids grading and graveling 4 mi. Trunk Highway 10, between Maple Plain an Long Lake, Hennepin Co., about $30,000; 27 mi. Trunk Highway 27, between St. Cloud and Little Falls, including bridge over Platte River, Stearns and Morrison Counties, about $135,000; 4 mi. Trunk Highway 8 from Cass Lake northwest, Cass Co., about $25,000. C. M. Babcock, engr.

Minn., St. Paul—Ramsey Co. rejected bids received June 27, grading and paving 5,452 ft. New Brighton Rd. from Northern Pacific tracks toward New Brighton, 20 ft. wide. About $28,000. R. R. Godfrey, co. engr. Noted June 9.

★**Minn., Two Harbors**—City rejected bids opened June 20, paving 8th Ave., 5th St. and alleys. About $25,000. Work will be done by day labor. L. Clapper, city engr. Noted June 9.

Kan., Salina—City plans to pave 25,000 yd. Republic Ave., Elm, Wilson, 9th and Ohio Sts., brick or asphalt. P. G. Wakenhut, Salina, engr.

S. D., Sturgis—City rejected bids opened May 16, paving various streets, involving 7,500 sq.yd. concrete. About $28,000. Will be readvertised. T. H. Johnson, Iowa Bldg., Sioux City, engr. Noted April 28.

N. D., Jamestown—City rejected bids opened June 6, paving 12 blocks various streets. About $35,000. Work postponed until 1922. H. H. Hurning, city engr. Noted May 26.

Mo., Clinton—City had plans prepared paving and curbing 11 blocks of North Washington and Jefferson Sts., 40 ft. wide, concrete. About $40,000. H. C. Allen, Clinton, engr.

Mo., Maplewood—City having plans prepared paving East Yale and West Yale Aves., involving 4,000 sq.yd. rein.-con., cost $25,000; Lindevar and Zyphar Places, 4,050 sq.yd. rein.-con., $25,000. G. B. Komar, clk. A. H. Beard, Chemical Bldg., St. Louis, engr.

Montana—State Highway Comn., Helena, rejected bids opened Jan. 28, grading, graveling and building one 20, one 40 and one 16 ft. concrete, steel or wooden bridges on 5 mi. road between Quebec and county line, Federal Aid Project 133, Sweet Grass Co. About $30,000. J. N. Eddy, state highway engr. Noted Jan. 20.

Tex., Comanche—Comanche Co. plans to build roads in Dists. 1 and 4. About $200,000 and $40,000 respectively. L. D. Parks, De Leon, co. engr.

Tex., Crowell—Foard Co. plans to grade, gravel surface and drain 22 mi. Highway 28A, from here to Wilbarger Co. line, 24 ft. shoulder to shoulder. About $71,000. L. Noland, Crowell, engr.

Tex., Floydada—Floyd Co. defeated $100,000 bond issue for road construction. Plan to call new election shortly. W. B. Clarke, co. judge.

Tex., Hillsboro—Hill Co. plans to complete 2½ mi. King of Trails Highway and lateral roads in Midway School Dist., 16 ft. wide. Election soon to vote on $30,000 bonds for project. W. L. Wray, judge.

Tex., Junction—Kimble Co. having plans prepared grading, surfacing, draining and building bridges on 6.57 mi. State Highway 27, west from here to Roosevelt, involving 31.7 acres clearing and grubbing, 230 cu.yd. Class A and 97 cu.yd. Class B concrete, 70

Streets and Roads (Continued)

cu.yd. pavement concrete, 29,090 lb. reinforcing steel. Cost $41,786. W. E. Simpson Co., Hicks Bldg., San Antonio, engrs.

Tex., Kerrville—Kerr Co. had plans prepared building 31.8 mi. various roads, 16 ft. wide, gravel, Federal Aid Project 243. Cost $270,111. W. E. Simpson Co., Hicks Bldg., San Antonio, engrs.

Tex., Pearsall—Frio Co. plans to gravel surface and drain Meridian Highway 2, also lateral roads connecting up with same, 12-16 ft. wide. Bonds for $500,000 voted for project. State and Federal Government will be asked to appropriate toward cost.

Tex., San Antonio—Bexar Co. having plans prepared grading, surfacing and draining 3.44 mi. State Highway 3, from Converse to Cibolo Creek, involving 15 acres clearing and grubbing, 11,800 cu.yd. borrow excav., 20,000 cu.yd. embankment rolling, 32,355 sq.yd. 1 in. bituminous macadam, 511.15 cu.yd. 1:2:4 concrete, 10,-110 cu.yd. gravel, 37,878 lb. reinforcing steel. Cost $82,660. C. E. Hoff, co. engr.

Tex., Wichita Falls—Wichita Co. plans to pave and drain various unimproved highways and lateral roads, 16-20 ft. wide, concrete and bituminous concrete. Bonds for $1,500,000 voted for project. J. M. Isbell, Wichita Falls, co. engr.

Okla., Norman—City soon receives bids draining and paving 2 districts, involving 125,000 sq.yd. concrete. No bids received on June 14. Peckham, Sutton & James, 225½ West Grand Ave., Oklahoma City, engrs. Noted June 2.

Ore., Portland—City plans to pave various streets, involving 13,000 ft. of asphalt, concrete or bituminous concrete. About $125,000. O. Laurgaard, City Hall, engr.

BIDS DESIRED

Maine—Until July 14, by State Highway Dept., Augusta, paving 3.1 mi. state highway in Turner and Livermore, 18 ft. wide, gravel, cost $76,000; 3.59 mi. in Bangor and Veazie, 18 ft. wide, concrete, $150,000. P. D. Sargent, ch. engr.

Massachusetts—Until July 12, by State Highway Dept., Boston, paving 9,200 ft. state highway in Barre and Oakham, 18 ft. wide, bituminous macadam, cost $65,000; 28,500 ft. in Wichendon and Templeton, 18 ft. wide, bituminous macadam, $200,000; 8,880 ft. in Brookfield and West Brookfield, 21 ft. wide, rein.-con., $90,000. A. W. Deane, Statehouse, ch. engr.

N. Y., Brooklyn—Until July 13, by E. Riegelmann, boro. pres., Boro. Hall, regulating and paving Lott Ave. from Bristol to Chester Sts., Lott Ave. from Sackman to Powell Sts., Malta, Osborne, Stone, Decatur, Conover, Sullivan, Fair and 82nd Sts., permanent asphalt; regulating, paving, etc., 78th St.; regulating and resurfacing Sheepshead Bay Rd., bituminous macadam; Metropolitan and Ocean Aves., grade 1 asphalt pavement; regulating, grading and curbing, etc., Dikeman, Malta and 78th Sts.

N. Y., Brooklyn—Until July 14, by Park Bd. at office of Dept. Parks, Municipal Bldg., New York City, improving Ocean Parkway between Coney Island Creek Bridge and Coney Island Concourse. F. D. Gallatin, pres.

N. Y., New York—Until July 11, by H. H. Curran, pres. Manhattan Boro., Municipal Bldg., regulating and repaving Hancock St., widening and repaving Lexington Ave., 36th and 37th Sts., all sheet asphalt. About $75,000.

N. Y., New York—Until July 14, by Park Bd. at office Dept. Parks, Municipal Bldg., repaving Eastern Blvd., from Bronx and Pelham Parkway to Westchester Ave., asphalt. F. D. Gallatin, pres.

N. J., Closter—Until July 14, by boro, paving various streets, asphalt block. F. K. Cade, boro engr.; advertised in this issue.

N. J., Salem—Until July 25, by Salem Co., reconstructing State Highway Route 6, Sect. 7, Woodstown-Salem Rd. E. G. Ochs, clk. H. B. Keasbey, co. engr; advertised in this issue.

Pa., New Florence — Until July 18, by Boro. Council, paving Ligonier St. Carstensen & McLain, Johnstown, engrs.; advertised in this issue.

Delaware—Until July 20, by State Highway Dept., Dover, building road from Laurel to Asbury Church, Contr. CS-13A; road through Georgetown, Contr. CS-14. C. M. Upham, ch. engr.; advertised in this issue.

Md., Easton—Until July 14, by Mayor and Town Council, at office of J. B. Brown, clk., resurfacing existing Topeka street pavements. E. G. Kastenhuber, Jr., town engr.; advertised in this issue.

W. Va., Elkins—Until July 22, by H. C. Kesling, clk. Randolph Co., reconstructing 2 mi. Seneca Pike, Beverly Dist. E. G. Elliott, co. road engr.

North Carolina—Until July 19, by State Highway Comn., at div. office Greensboro, grading and draining 5.22 mi. State Aid Project 546, Alamance Co., involving 3 acres clearing and grubbing, 30,200 cu.yd. common and 2,600 cu.yd. rock excav., 1,130 ft. 12-24 in. terra cotta or plain concrete pipe, 110 cu.yd. Class B and 445 cu.yd. Class A concrete, 70,810 lb. reinforcing steel, etc. About $40,000.

S. C., Camden—Until July 12, by Comrs. Kershaw Co., grading and sand clay surfacing 3.348 mi. Camden-Lancaster-Charlotte Rd. and 21,069 road from Camden to Chesterfield Co. line. J. D. Gregory, Camden, engr.

Alabama—Until July 26, by State Highway Dept., Montgomery, grading, draining, bridging and surfacing 25.2 mi. Byler Rd. from Northport to New Lexington, Tuscaloosa Co., involving 57 acres clearing and grubbing, 145,305 cu.yd. common and 14,724 cu.yd. solid rock excav., 2,600 lin.ft. 15-30 in. pipe, 2,360 cu.yd. Class A, 534 cu.yd. Class B, and 40 cu.yd. Class C concrete, 229,486 lb. reinforcing steel, 59,267 cu.yd. gravel surfacing, etc. W. S. Keller, state highway engr.

Alabama—Until Aug. 2, by state highway comr, Montgomery, grading, draining and surfacing 12.39 mi. Monroe-Uriah Rd., involving 25.78 acres clearing and grubbing, 39,369 cu.yd. common excav., 29,120 cu.yd. gravel surfacing, 63.28 cu.yd. Class B and 223.58 cu.yd. Class A concrete, 17,415 lb. reinforcing steel, etc. W. S. Keller, state highway engr.

Louisiana — Until July 11, by State Highway Dept., New Orleans, gravel surfacing 18,287 cu.yd. Palmetto Highway, Sects. B and C. Project 19, Allen Parish. D. Buie, ch. engr.

Tenn., Erwin—C. B. Coe & Co., engrs., Johnson City, receiving bids paving various streets, here, involving 20,000 sq.yd. sheet asphalt, asphaltic concrete or wood block, 21,000 ft. curbing and guttering, manholes, storm sewers, etc., for city.

Ohio—Until July 22, by State Highway Dept., Columbus, grading, draining and paving roads in following counties:

Allen Co., Sect. "A-1" Westminster-New Hampshire Rd., 2.051 mi. Kentucky rock asphalt or bituminous macadam, $38,335 and $31,891 respectively.

Ashland Co., Sect. "A" Mansfield-Ashland Rd., 1.85 mi., monolithic brick, $88,-644, or brick, $99,249., (state to furnish monolithic brick).

Ashtabula Co., Sect. "C" Youngstown-Conneaut Rd., 4.997 mi., monolithic brick (state to furnish brick), $185,894, or bituminous macadam, $194,587.

Coshocton Co., Sect. "West Lafayette" Newcomerstown-Coshocton Rd., 0.915 mi., monolithic brick (state to furnish brick), $39,764 or plain concrete, $33,303.

Crawford Co., Sect. "K" Columbus-Sandusky Rd., 2.034 mi., brick (state to furnish brick), $106,226.

Sect. "M & N" Marion-Bucyrus Rd., 6.705 mi., brick (state to furnish brick), $332,447.

Delaware Co., Sect. "A-1" Delaware-Marysville Rd., 1.1756 mi., bituminous macadam, $35,619, or rein.-con., $48,066.

Erie Co., Sect. "Q" Sandusky-Norwalk Rd., 0.42 mi., concrete and brick, $21,702.

Fulton Co., Sect. "Delta" Toledo-Wauseon Rd., 0.451 mi., rein.-con., $28,505.

Green Co., Sect. "B" Springfield-Jamestown Rd., 6.9 mi., bituminous macadam, $214,904.

Hardin Co., Sect. "D" Marysville-Kenton Rd., 1.94 mi., bituminous macadam, $70,728.

Hardin Co., Sect. "Vic" Marysville-Kenton Rd., 0.645 mi. bituminous macadam, $27,525.

Harrison Co., Sect. "R" Cadiz-Dennison Rd., 3.765 mi., bituminous macadam, $156,355.

Holmes Co., Sect. "K" Mansfield-Millersburg Rd., 2.178 mi., monolithic brick (state to furnish brick), $66,370 or plain concrete, $58,094.

Jefferson Co., Sect. "H-3" Steubenville-Cambridge Rd., 1.044 mi., brick, $68,373.

Knox Co., Sect. "B-1" Mt. Vernon-Newark Rd., 3.39 mi., monolithic brick (state to furnish brick), $163,651.

Lorain Co., Sect. "K" Oberlin-Norwalk Rd., 0.265 mi., brick (state to furnish brick), $14,537.

Lucas Co., Sect. "C" Waterville-Swanton Rd., 3.513 mi., waterbound macadam, $94,-649.

Monroe Co., Sect. "F" Woodsville-Sistersville Rd., 2.164 mi. bituminous macadam, $121,598.

Sect. "K-1" McSonnelsville-Caldwell Rd., 1.637 mi., bituminous macadam, $63,064.

Ottawa Co., Sect. "B-2" Port Clinton-Bowling Green Rd., 0.875 mi., plain concrete, $25,478.

Paulding Co., Sect. "J" Payne-Hicksville Rd., 3.817 mi., plain concrete, $166,349.

Sect. "M" Van Wert-Ottawa Rd., 2.865 mi., Kentucky rock asphalt, $110,009.

Sect. "Ottoville" Van Wert-Ottawa Rd., 0.595 mi., Kentucky rock asphalt, $22,986.

Ross Co., Sect. "L-1" Chillicothe-Jackson Rd., 0.462 mi., brick, $25,664.

Sandusky Co., Sect. "D-1" Fremont-Bowling Green Rd., 0.42 mi., brick (state to furnish brick), $22,577 or bituminous concrete, $21,612.

Seneca Co., Sect. "O" Findlay-Tiffin Rd., 1.044 mi., bituminous macadam, $35,910.

Sect. "I" Tiffin-Republic Rd., 1.009 mi., bituminous macadam, $39,039 or Kentucky rock asphalt, $43,773.

Stark Co., Sect. "F" Navarre-Berlin Rd., 0.93 mi., brick (state to furnish brick), $55,242.

Trumbull Co., Sect. "T" Warren-Sharon Rd., 1.51 mi., brick (state to furnish brick), $100,775.

Tuscarawas Co., Sect. "M" Newcomerstown-Uhrichsville Rd., 3.342 mi., monolithic brick (state to furnsh brick), $156,856; bituminous macadam, $113,884 or plain concrete, $144,034.

Sect. "P and W" Newcomerstown-Uhrichsville Rd., 0.589 mi., monolithic brick (state to furnish brick), $25,340, bituminous macadam, $17,288 or plain concrete, $23,120.

Warren Co., Sect. "C-1" Columbus-Cincinnati Rd., 4.42 mi., bituminous macadam, $150,454 or rein.-concrete, $150,416.

Wayne Co. Section "C" Millersburg-Wooster Rd., 1.42 mi., monolithic brick (state to furnish brick), $70,301 or concrete, $70,710.

Williams Co., Sect. "N-2" West Unity-Montpelier Rd., 0.891 mi., bituminous macadam, $31,891.

Sect. "West Unity" West Unity-Montpelier Rd., 0.61 mi., bituminous macadam, $2,022.

Holmes Co., Sect. "L-1" Mansfield-Millersburg Rd., 2.382 mi., grading only, $28,674.

Sect. "B" Mansfield-Ashland Rd., 3,523 grading, $78,418.

Henry Co., Sect. "B-1" Toledo-Napoleon Rd., 5.287 mi., grading, $47,488.

Hocking Co., Sect. "A-2" Logan-McArthur Rd., 2.623 mi., grading, $43,848.

Sect. "H" Medina-Norwalk Rd., 1.15 mi., grading, $26,203. E. S. Smith, state highway engr.

Ohio—Until July 22, by State Highway Dept., Columbus, resurfacing roads in following counties:

Fulton Co., Sect. "F" Toledo-Wauseon Rd., 2.5 mi., with waterbound macadam, $51,717.

Hamilton Co., Sect. "B" Harrison Pike, bitoslag, $19,016.

Henry Co., Sect. "B" Bryan-Napoleon Rd., 1.44 mi., waterbound macadam, $23,123.

Jefferson Co., Sect. "D and E" Canton-Steubenville Rd., 4.02 mi., bituminous macadam, $57,600.

Ottawa Co., Sect. "H" Toledo-Elmore Rd., 0.99 mi., rein.-con., $24,687.

Pike Co., Sect. "B" Columbus-Portsmouth Rd., 0.812 mi., rein.-con., $33,266.

Richland Co., Sect. "G and K" Mansfield-Galion Rd., 2.99 mi., waterbound macadam, $52,824.

Stark Co., Sect. "A" Canton-Canal Dover Rd., 1.48 mi., brick (state to furnish brick), $61,420.

Wood Co., Sect. "A" Bowling Green-Port Clinton Rd., bituminous macadam, $33,300.

Wyandot Co., Sect. "G-1" and "G-2" Findlay-Upper Sandusky Rd., bituminous macadam, $55,291.

Butler Co., Sect. "D" Hamilton-Middletown Rd., 4.15 mi., surfacing with sheet asphalt, $128,996.

Sect. "A" Carthage-Hamilton Rd., building diversion wall, $3,850.

Montgomery Co., Sec. "F-1" Dayton-Troy Rd., building bridge, $8,212.

Muskingum Co., Sect. "R" National Rd., building bridge, $14,148.

Hocking Co., Sect. "A" Logan Athens Rd., building bridge, $11,091.

Columbiana Co., Sect. "B" Ohio River Rd., building bridge, $8,990.

Sect. "J" Toledo-Angola Rd., building bridge, $25,378. E. S. Smith, state highway engr.

O., Columbus—Until July 19, by city, grading, draining, curbing and paving 5,536 ft. High St. from Cedar Alley to 5th Ave., asphalt. About $145,445. R. H. Simpson, City Hall, engr.

O., Columbus—Until July 19, by city, grading, draining, curbing, laying water-

Streets and Roads (Continued)

mains and paving 4,270 ft. Front St. from Town St. to Erie alley, asphalt $169,096, stone block, $191,386. R. H. Simpson, City Hall, engr.

Mich., Algonac—Until July 14, by Village Clerk, grading, draining, and surfacing Front St., involving 12,019.3 sq.yd. concrete or bituminous concrete, 8,818.5 lin.ft. concrete curb and gutter, 3,545 cu.yd. earth excav., etc.

Ill., Chicago—Until July 12, by Bd. Local Impvts., 207 City Hall, paving Beacon St. from Sunnyside to Lawrence Aves., involving 6,150 sq.yd. asphalt on 6 in. concrete, 3,800 ft. concrete, 2,450 cu.yd. excav., cost $37,500; Dobson Ave. from 79th to 82nd Sts., 6,600 sq.yd. 10 in. blast furnace slag on 2½ in. limestone, 3,830 ft. concrete, etc., $32,500; East 83rd. St. from Maryland to Ellis Aves., 4,090 sq.yd. 10 in. blast furnace slag on 2½ in. granite, 2,280 ft. concrete, $21,500; Franklin St. from Lake St. to Jackson Blvd., 10,500 cu.yd. creosoted wood blocks on 8 in. concrete, etc., $57,000; Greenview Ave. from Thorndale to Ridge Aves., 1,800 sq.yd. asphalt on 6 in. concrete, 1,160 ft. concrete, $13,000; Higgins Ave. from Milwaukee to Edmunds Aves., 5,340 sq.yd. asphalt on 6 in. concrete, 1,220 ft. concrete, $45,500; Keating Ave. from Wellington Ave. to George St., 1,520 sq.yd. asphalt on 6 in. concrete, 1,250 ft. concrete, $9,900; Lamon Ave. from Barry St. to Belmont Ave., 1,500 sq.yd. asphalt on 6 in. concrete, $11,500; Leland Ave. from Kimball to Central Park Aves., 4200 sq.yd. asphalt 2700 ft. concrete, $30,000; Richmond St. from Armitage to Palmer Sts., 4,300 sq.yd. asphalt on 6 in. concrete, 2,850 ft. concrete, $36,000; Troy St. from Foster to Winona Aves., 1,200 sq.yd. asphalt on 6 in. concrete, $9,000; Winona St. from Leavitt St. to Oakley Blvd., 1,188 sq.yd. asphalt on 6 in. concrete, $8,500; Kilpatrick Ave. from Wellington to George Sts., 1,250 ft. concrete, 1,920 sq.yd. asphalt on 6 in. concrete, $11,000; West 63rd. St. from Central to Austin Aves., 13,000 sq.yd. vitr. brick on 6 in. concrete, 5,300 ft. concrete, $124,000; curbing May, Aberdeen, Carpenter, Morgan and West 54th Sts., 12,500 ft. concrete on 3 in. cinders, gravel or sand, $17,500; La Vergne Ave. from Madison to Harrison Sts., 8,600 sq.yd. asphalt on 6 in. concrete, 5,300 ft. concrete, $58,500; Lawler Ave. from North to Hirsch Aves., 3,570 sy.yd. asphalt on 6 in. concrete, 2,600 ft. concrete $23,500; Lockwood Ave. from Madison to Harrison Sts., 8,100 sq.yd. asphalt on 6 in. concrete, 5,040 ft. concrete, $55,000; Morgan St. from 74th St. to point 477 ft. south, 1,620 sq.yd. asphalt on 6 in. concrete, 1,000 ft. concrete, $10,000; Peoria St. from 60th to 63d Sts., 6,400 sq.yd. asphalt on 6 in. concrete, 3,960 ft. concrete, $39,000; San Joe St. from Leavitt to Oakley Blvd., 1,900 sq.yd. asphalt on 6 in. concrete, 1,300 ft. concrete, $12,300; East 76th St. from Constance to Ridgeland Aves., 1,600 sq.yd. asphalt on 6 in. concrete, 1,180 ft. concrete, $10,500, Creiger Ave. from East 77th to 78th Sts., 1,940 sq.yd. asphalt on 6 in. concrete, 1,380 ft. concrete, $12,800; East End Ave. from East 79th St. to South Chicago Ave., 1,710 sq.yd. asphalt on 6 in. concrete, 1,280 ft. concrete, $10,500; West 18th St. from Keeler to Kostner Aves., 4,320 sq.yd asphalt on 6 in. concrete, 2,630 ft. concrete, $26,000; West 49th Place from Laflin to Throop Sts., 3,000 sq.yd. asphalt on 6 in. concrete, 2,750 ft. concrete, $24,500; West 52nd. St. from State to Federal Sts., 4,010 sq.yd asphalt on 6 in. concrete, 2,550 ft. concrete, $24,000; Gladys Ave. from Laramie to Central Aves., 7,240 sq.yd. asphalt on 6 in. concrete, 5,000 ft. concrete, $50,500; Hoyne Ave. from Garfield Blvd. to 59th St., 8,200 sq.yd. asphalt on 6 in. concrete, 5,000 ft. concrete, $8,000; West 76th St. from Morgan to Racine Aves., 4,800 sq.yd. asphalt on 6 in. concrete, 2,800 ft. concrete, $35,500; West 13th St. from Kedzie to Homan Aves., 4,000 sq.yd. asphalt on 6 in. concrete, 2,500 ft. concrete, $26,000; Turner St. from Archer Ave. to point 500 ft. west, 1,760 sq.yd. asphalt, 1,000 ft. concrete, $10,000; Norwood Park Ave. from Milwaukee to Austin Aves., 14,500 sq.yd. vitr. brick on 6 in. concrete, 8,100 ft. concrete, $142,500. C. D. Hill, ch. engr.

Illinois—Until July 12, by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, paving 381 mi. Route 1, Sect. 1, Clarke Co.; 2.99 mi. Route 2, Sect. 1, Jackson Co; 5.99 mi. Route 2, Sect. 7, Perry-Washington Counties; 5.14 mi. Route 2, Sect. 8, Washington Co.; 3.43 mi. Route 2, Sect. 18, Alexander Co.; 11.13 mi. Route 2, Combination A, Perry-Washington Counties; 6.25 mi. Route 4, Sect. 10, Livingston Co.; 5.68 mi. Route 4, Sect. 12, Livingston Co.; 7.95 mi. Route 4, Sect. 13, McLean-Livingston Co.; 13.63 mi. Route 4, Combination B, McLean-Livingston Co.; 19.88 mi. Route 4, Combination C, McLean-Livingston Co.; 7.28 m. Route 5, Sect. 11, McHenry Co.; 6.12 mi. Route 5, Sect. 12, McHenry Co.; 13.4 mi. Route 5, Combination D, McHenry Co.; 3.98 mi. Route 5, Sect. 13, Boone Co.; 4.43 mi. Route 5, Sect. 14, Boone Co.; 3.09 mi. Route 5, Sect. 15, Boone Co.; 11.5 mi. Route 5, Combintion E, Boone Co.; 24.9 mi. Route 7, Combination F, McHenry-Boone Co. 2.98 mi. Route 7, Sect. 1, Rock Island Co.; 2.54 mi. Route 7, Sect. 2, Henry Co.; 5.52 mi. Route 7, Combination C, Rock Island-Henry Co.; 8.44 mi. Route 7, Sect. 4, Henry Co.; 2.38 mi. Route 10, Secv. 1Y, Champaign Co.; 4.93 mi. Route 10, Sect. 2, Champaign Co.; 5.04 mi. Route 10, Sect. 3, Champaign Co.; 12.35 mi. Route 10, Combination H, Champaign Co.; 3.58 mi. Route 10, Sect. 13, Macon Co.; 3.63 mi. Route 10, Sect. 14, Macon Co.; 7.21 mi. Route 10, Combination I, Macon Co.; 7.12 mi. Route 10, Sect. 24, Sangamon Co.; 6.42 mi. Route 10, Sect. 25, Morgan Co.; 12.54 mi. Route 10, Combination J, Sang-Morgan Co.; 3.41 mi. Route 25, Sect. 1, Effingham Co.; 5.24 mi. Route 28, Sect. 1, Knox Co. 4.73 mi. Route 28, Sect. 2, Knox Co.; 9.97 mi. Route 28, Combination K, Knox Co.; 4.36 mi. Route 31, Sect. 7, Brown Co. C. Older, ch. highway engr.

Wisconsin—Until July 13, by State Highway Comn., at div. office 13, Nicolet Bldg., Green Bay, grading and draining 4.43 mi. Peshtigo-Marinette Rd., Federal Aid Project 259, Marinette Co., involving 10.4 acres clearing and grubbing, 29,955 cu.yd. earth excav., 131.8 cu.yd. Class A concrete, etc.

Wisconsin—Until July 14, by State Highway Comn., Office 1, 149 East Wilson St., Madison, grading, surfacing and building bridges on 2.98 mi. Reedburg-La Valle Rd., Federal Aid Project 175, Sauk Co., involving 5,056 cu.yd. feather edge gravel, 20,842 cu.yd. earth excav., 637 cu.yd. Class A concrete, etc.; 8 mi. Middleton-Cross Plains Rd., Dane Co., Federal Aid Project 200, 2.5 acres clearing and grubbing, 45,139 cu.yd. earth excav., 518 cu.yd. Class A concrete, etc.

Wisconsin—Until July 15, by State Highway Dept., at div. office 8, First Natl. Bank Bldg., Superior, grading and surfacing 2.4 mi. Superior-Danbury Rd., Federal Aid Project 201, Douglas Co., involving 5.25 acres clearing and grubbing, 18,293 cu.yd. earth excav., 159 cu.yd. Class A concrete, 4,153 cu.yd. feather edge gravel, etc.; 5.17 mi. Bruce-Radisson Rd., Federal Aid Project 244, Sawyer Co., 16.61 acres clearing and grubbing, 19,190 cu.yd. earth excav., 168.4 cu.yd. Class A concrete, 8,852 cu.yd. feather edge gravel, etc.

Wis., Oshkosh—Until July 12, by J. Benning, Winnebago Co. highway comr., surfacing 1.59 mi. Oshkosh-Winneconne Rd., involving 3,091 cu.yd. earth excav., 15,015 sq.yd. 16 ft. concrete surfacing and 25.65 cu.yd. Class A concrete; 3,937 lin.ft. Waverly-Bench-Menosha Rd., 2,163 cu.yd. earth excav. and 6,445 sq.yd. 16 ft. concrete surfacing; building Noebel Bridge, 101.4 cu.yd. concrete.

Ia., Dakotah — Humboldt Co. receiving bids grading and surfacing 21 mi. Project 117, involving 15 mi. grading, 7 mi. gravel surfacing and 200,000 ft. 6 in. tile drain pipe. About $215,000. K. J. Smith, Humboldt, engr.

Ia., Anamosa—Until July 12, by auditor Jones Co., grading primary road from Linn Co. line northeast through here to Dubuque Co. line, Federal Aid Project 86, involving 265,756 cu.yd. earth and 9,912 cu.yd. rock excav. Noted June 23.

Minnesota—Until July 20, by State Highway Dept., 920 Guardian Life Bldg., St. Paul, improving 4 mi. State Project 7-27, Federal Aid Project 96, Winona Co., involving 10,800 sq.yd. paving and 5,760 cu.yd. gravel surfacing, cost $40,000; 10 mi. State Project 9-22, Federal Aid Project 228, Martin Co., 109,300 cu.yd. excav., $45,000; 23 mi. State Project 9-23, Federal Aid Project 224, Jackson and Nobles Counties, 220,000 cu.yd. excav., $80,000; 25 mi. road between Blue Earth and Banks, State Project 9-24, Faribault Co., $40,000 cu.yd. gravel surfacing, $100,000; State Project 10-34, Federal Aid Project 30 between Howard Lake and Delano, 28,130 lin.ft. 6-8 in. tile and 25,600 cu.yd. gravel surfacing, $50,000 and State Project 10-35 between Howard Lake and Dassel, both Wright Co., 42,241 lin.ft. 6-8 in. tile, $25,000; 8 mi. State Project 54-22, Federal Aid Project 225, Grant Co., 55,700 cu.yd. excav., $25,000. C. M. Babcock, comr. Noted June 30.

Minnesota—Until July 21, by State Highway Dept., 920 Guardian Life Bldg., St. Paul, improving 6 mi. State Project 8-22, Federal Aid Project 57, involving 99,000 cu.yd. excav., cost $26,000; 9.3 mi. road through Tamarack, State Project 2-21, Federal Aid Project 149, Aitkin Co., 14,840 cu.yd. gravel surfacing, $25,000; 7 mi. road between Montgomery and New Prague, State Project 13-22, Federal Aid Project 89, Le Sueur Co., 11,900 cu.yd. gravel surfacing, $25,000; 26 mi. road between Westcott and Northfield, State Project 1-21, Federal Aid Project 212, Dakota and Rice Counties, 390,000 cu.yd. excav., $200,000; 8 mi. road between Preston and Harmony, State Project 20-23, Federal Aid Project 39, Fillmore Co., 13,290 cu.yd. gravel surfacing, $32,000; 18 mi. State Project 53-21, Federal Aid Project 22, Dakota Co., 29,000 cu.yd. gravel surfacing, $50,000; 7 mi. road from Blooming Prairie eastward, State Project 41-22, Federal Aid Project 230, Steele and Dodge Counties, 12,000 cu.yd. gravel surfacing, $30,000. C. M. Babcock, comr.

Minn., Jackson—Until July 20, by Jackson Co. at office of State Highway Dept., 920 Guardian Life Bldg., St. Paul, grading and building culverts on 6 mi. Federal Aid Project 134, State Rd. 2, involving 51,507 cu.yd. excav. and 405 lin.ft. portable culverts. About $30,000. Former bids rejected. W. M. Richmond, Jackson, engr. Noted June 9.

Minn., Pipestone—Until July 20, by Pipestone Co. improving Job 2009, State Rd. 2, involving 45,114 cu.yd. excav., 123,590 cu.yd. overhaul, etc. About $25,000. E. Keeler, Pipestone, engr.

Kan., Syracuse—Until Aug. 9, by Comrs. Hamilton Co., grading and building culverts on 5.67 mi. Old Santa Fe Trail, 24 ft. wide, Federal Aid Project 77. About $36,000. R. B. Glass, Lakin, engr.

Kan., Wichita—Until Aug. 4, by Bd. Comrs. Sedgwick Co., paving, grading and draining 5.599 mi. Cannon Ball Trail, 18 ft. wide, brick or concrete, Federal Aid Project 54, Sect. A. About $300,000. Former bids rejected. M. Roseberry, Wichita, engr.

S. D., Sturgis—Until July 11, by city, paving various streets, involving 8,000 sq. yd. concrete. About $28,000. H. H. McCrary, aud. T. H. Johnson, Iowa Bldg., Sioux City, engr.

Montana—Until July 19, by State Highway Dept., Helena, building, Yellowstone Trail, Federal Aid Project 82, Gallatin Co., involving (a) 49,000 cu.yd. excav., 67,611 sq.yd. paving, 1 course Portland cement concrete, bituminous concrete, bituminous macadam and type A gravel, (b) 146,000 lb. structural steel in truss, 62,000 lb structural steel in joints, 95 cu.yd. Class B concrete in piers, 570 cu.yd. Class A and B concrete in bridges, 34,500 lb. reinforcing steel. About $250,000. J. N. Edy, state highway engr.

Missouri—Until July 15, by State Highway Dept., Centerville, building 13.74 mi. state road from Ellington southward, State Aid Project S 20.44, Reynolds Co. About $42,967. A. Graham, state highway engr. Noted June 16.

Mo., Charleston—Mississippi Co. receiving bids improving 28.5 mi. road from here to East Prairie and Amiston, monolithic concrete. About $135,000. C. E. Swank, Charleston, engr. Noted April 7.

Mo., Jefferson City—Until July 12, by City Clerk, resurfacing Harrison St., bituminous macadam or Kentucky rock asphalt. About $25,000. L. F. Brown, Jefferson City, engr.

Mo., Kirksville—Until July 12, by Adair Co., grading and draining various roads, involving 36,544 cu.yd. earth excav. and 800 cu.yd. Class B concrete. About $31,000. M. J. Mattick, clk. Private plans.

Mo., Marysville—Until July 13, by Nodaway Co. care of A. C. Lingley, clk., grading and draining Project 20.33. About $25,000. Private plans.

Mo., Nevada—Until July 18, by Vernon Co. surfacing Atlantic-Pacific Rd., gravel on concrete base, also building one 40 ft. and one 30 ft. steel bridges. About $25,000. J. W. Clark, Nevada, engr. Noted June 23 under "Missouri."

Tex., Austin—Until July 18, by G. S. Mathews, judge Travis Co. grading, surfacing, draining and building bridges on 9.15 mi. State Highway 20, Kimbro Dist., involving 53,188 cu.yd. borrow, 15,295 cu.yd. roadway excav., 1,019.45 cu.yd. 1:2:4 concrete, 85,436 lb. reinforcing steel, 24,082 cu.yd. crushed rock, etc. About $180,000. J. O. Corwin, 511 Scarborough Bldg., engr.

Tex., Rusk—Until July 13, by C. F. Gibson, judge Cherokee Co., grading, bridging, surfacing and draining 25 mi. Rd. Dist. 4. 24 ft. shoulder to shoulder. C. E. Cocke, co. engr.

Tex., San Augustine—Until July 20, by W. K. Knight, judge San Augustine Co., grading, surfacing and building bridges on 20.95 mi. Kings Highway 21, involving 82,726 cu.yd. borrow, 134,158 cu.yd. roadway and 14,476 cu.yd. rock excav., 1,973.7 cu.yd.

Streets and Roads (Continued)

1:2:4 and 87.5 cu.yd. 1:2½:5 concrete, 260,860 lb. structural and 154,101 lb. reinforcing steel, 3,860 lin.ft. treated piling, etc. about $282,650 including 10 per cent for engineering and contingencies.

Wash., Tacoma—Until July 15, by Pierce Co. grading and paving 2.26 mi. Eatonville Highway from Eatonville to Natl. Park Highway, concrete. E. A. White, Tacoma, engr.

California—Until July 18, by State Highway Comn., 515 Forum Bldg., Sacramento, paving 10.4 mi. highway between Upton and south boundary, cement concrete or bituminous macadam; 16.1 mi. between Cloverdale and Healdsburg, cement concrete or asphaltic concrete. A. B. Fletcher, highway engr.

Cal., South Pasadena (Pasadena P. O.)—Until July 11, by City Clerk, paving Orange Grove and Garfield Aves., involving 295,000 sq.ft. 3 in. oil macadam and 15,500 ft. cement curbing.

Nova Scotia—Until July 18, by W. A. Hendry, ch. engr. Provincial Highways, Halifax, building 5 mi. Guysboro-Tracadie Rd. and 5 mi. Guysboro-Causo Rd., gravel macadam, Guysboro Co., 5.21 mi. Woods Harbor-Shag Harbor Rd., gravel macadam, Shelburne Co. About $48,600.

N. S., Halifax—Until July 18, by A. F. Stewart, ch. engr., Canadian Natl. Rys., Moncton, N. B., paving 8,800 sq.yd. at Halifax Terminals. About $27,600.

Ontario—Until July 13, by W. A. McLean, deputy minister of highways, Parliament Bldgs., Toronto, building 4 mi. macadam base, 24 ft. wide, 8 in. deep, in Grantham and Niagara Twps., Contr. 439, cost $40,000; Grimsby Twp., Contr, 440, $40,000; earth fill at River aux Raisin Bridge, Contr. 441, $18,000. G. Hogarth, Parliament Bldg., Toronto, ch. engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

New Hampshire—State Highway Dept., Concord, received bids June 27, paving (1) 2.2 mi. state highway in Newington, asphalt penetration, (2) 1 mi. in Sunapee, bituminous macadam; (3) 1.01 mi. in Hooksett, 18 ft. wide, (a) concrete (b) asphalt penetration, from J. E. Watkins, 1 Fern Ave., Amesbury, Mass., (1) $34,224; C. H. Badger Constr. Co., 2 Pratt St., Portsmouth, (1) $40,804; W. H. Connor & Son, South Main St., Middleboro, Mass., (1) $43,180; R. E. Bull, Fitchburg, Mass., (2) $31,680; Collins Constr. Co., Andover, Mass., (2) $32,526 (3b) $30,594; Winslow & Cummings, Nashua, N. H., (2) $32,564 (3a) $31,709 (3b) $20,721; New Hampshire Cement Constr. Co., South St., Manchester, (3a) $30,337; Robie Consolidated Constr. Co., Manchester, (3b) $16,332; F. T. Ley Co., 495 Main St., Springfield, Mass., (3a) $30,363. Noted June 23.

Mass., Gloucester—Comrs, Essex Co. (Salem) received bids building Gloucester-Rockport Highway, here, involving (a) 11,000 cu.yd. earth excav. (above gr. 10), (b) 1,000 cu.yd. earth excav. (below gr. 10), (c) 10,000 cu.yd. borrow, (d) 370 cu. yd. 1:7½ concrete, (e) 200 cu.yd. 1:6 concrete, etc., from C. & R. Constr. Co., 195 Brookline Ave., Boston, (a) $1, (b) $1.50, (c)$1.60, (d) $15, (e) $18, etc., total $62,144; Hamlin & Nelson, 43 Bridge St., Salem, (a) $1.25, (b) $2, (c) $1.25, (d) $16, (e) $22.50, etc., total $70,621; M. McDonough Co., Swampscott, (a) $1, (b) $5, (c) $1.75, (d) $20, (e) $25, etc., total $73,626.

★**Rhode Island**—City let contract building 1¾ mi. West Rd. from Plainfield Pike to Rockland-Richmond Rd., involving 420 cu.yd. concrete, 9,000 cu.yd. earth and 4,000 cu.yd. rock excav., 17,000 cu.yd. borrow, etc., to L. Longhi & Bro. Inc., 43 Center St., Torrington, Conn., $57,464. Noted June 9.

★**N. Y., Brooklyn**—E. Riegelmann, boro. pres., Boro Hall, let contracts to Cranford Co., 52 9th St., regulating and paving 12th Ave., cost $14,970, 19th Ave., $4,394, 82nd St., $10,893, 19th St., $13,715, 81st St., $9,875, West 33rd St., $11,664, 15th Ave., $7,481, 19th Ave. from 84th to 85th Sts., $4,372, 83rd St., $9,531 and Homecrest Ave., $12,565; to C. Gallagher, 745 Dean St., West 13th St., $4,178; to Simonelli & Son, Inc., 28 Conselyea St., regulating and repaving 15th Ave. from Dahill Rd. to 37th St., $1,925. Noted June 23.

★**N. Y., Brooklyn**—E. Riegelmann, boro pres., let contracts to Sicilian Asphalt Paving Co., 41 Park Row, New York City, regulating and paving Ave. O, cost $13,087, Rogers Ave., $16,000, Riverdale Ave., $20,167, State St., $11,784, 10th Ave., $5,686 and 75th St., $17,643; to Borough Asphalt Co., 1301 Metropolitan Ave., New Utrecht Ave., $117,707. Noted June 16.

N. Y., Brooklyn—Transit Constr. Comn., 49 Lafayette St., New York City, received bids June 28, restoring street and park surface along Eastern Parkway, here, from M. J. O'Hara, 557 3d St., $178,000; G. Morris Contg. Co., $188,530; F. J. Gallagher, 490 Park Pl. $192,000.

N. Y., New York—H. Bruckner, pres. Bronx Boro, received bids June 28, regulating and grading, etc. (1) Seymour Ave. from Pelham Parkway north to Astor Ave.; repaving (2) Eagle Ave. from East 109th to East 116th St., granite blocks, (3) Eagle Ave. from East 161st to East 163d Sts., sheet asphalt, (4) Brook Ave. from East 164th to East 165th Sts., granite block, (5) East 160th St. from Forest to Tinton Aves., sheet asphalt; paving (6) East 180th St. from Morris Park to East Tremont Aves., asphalt block, (7) Findlay Ave. from East 164th to East 165th St., bituminous concrete; building sewers and appurtenances in (8) north side of East Tremont Ave. between existing sewer in East Tremont Ave. to point about 50 ft. west of Silver St., etc., from

C. E. Farrell Contg. Co., (1) $2,971.

J. Meehan & Sons, 74 Cortlandt St., (2) $74,423.

Leonard Paving Co., 233 Bway., (2) $74,948.

Burnside Contg. Co., 270 Burnside Ave., (2) $74,862.

C. D. Beckwith, 301 West 108th St., (3) $8,785, (5) $4,162, (7) $5,244.

Brusstar Constr. Co., Inc., Harlem River and 150th St., (3) $10,333, (5) $4,994, (7) $6,045.

Asphalt Constr. Co., 2197 Madison Ave., (3) $10,244, (5) $5,260, (7) $6,046.

R. Towers Co., (4) $9,535, (6) $21,160.

Hastings Pavement Co., 25 Broad St., (6) $22,270.

M. I. Sachs, (4) $10,135.

P. J. Kearns Contg. Co., 2306 Creston Ave., (4) $9,408.

Gross Contg. Co., Inc., (8) $10,300.

C. DeBlasio, (8) $12,099.

Estates Contg. Co., (8) $11,672. Noted June 23.

★**N. J., Belvidere**—Bd. Freeholders Warren Co. let contract paving 5 mi. Sect. 3, Morris Turnpike from Phillipsburg to New Village, to Freeland Constr. Co., Allentown, Pa., $241,463. Noted May 26.

★**N. J., Freehold**—Bd. Freeholders Monmouth Co. let contract reconstructing Sect. 1 Farmingdale-Adelphia Rd., concrete, to Jannorone Constr. Co., Belleville, $46,292. Noted June 9.

★**N. J., Salem**—Bd. Freeholders Salem Co. let contract paving 4,200 ft. road from Pennsville toward Salem and 7,200 ft. road from Churchtown to Pennsville, both concrete, to E. A. Corson, Ocean City, $32,000 and $54,000, respectively. Noted June 9.

N. J., Salem—Bd. Freeholders Salem Co. received bids June 28, excavating and graveling 7 mi. road from Shirley to Oldmans Creek, involving 28,171 cu.yd. earth excav. and 80,031 sq.yd. gravel, from Tri-State Eng. Co., Bridgeton, 68.9% (of engineer's estimate of $113,000); Craig Mulford, Cedarville, 70.3%; L. J. Seeling, Red Bank, 73.7%. Noted June 16.

N. J., Woodbury—Bd. Freeholders Gloucester Co. received bids June 30, paving 8,678 sq.yd. Crown Point Rd., Amesite, from P. Connelly, 30th and Market Sts., Phila., 93% of engineers estimate ($30,500); E. R Morehouse, 1361 Park Blvd., Camden, 102%. Noted June 16.

★**Pa., Phila.**—City let contracts for (a) grading, (b) paving, (1) Passyunk Ave., (2) Delaware Ave. from Vine to Chestnut St., (3) Main St., (4) Federal St., (5) Ridge Ave., (6) 21st St., (7) Salmon St., (8) 55th St., (9) 5th St., (10) Walter St., (11) Mentor St., (12) Delaware Ave. from Chestnut to Queens Sts., (13) Grays Ferry Ave., (14) Ella St., (15) Hartwell Lane, (16) D St., (17) Bleight St., to United Paving Co., Land Title Bldg., (1b) $25,850; Union Paving Co., 30th and Locust Sts., (2b) $141,027; T. E. James, Phila., (3b) $97,862; Eastern Paving Co., Colonial Trust Bldg., (4b) $62,041, (5b) $95,833, (6b) $78,827, (7a) $6,120, (8a) $8,854; T. L. Flanigan, 1204 East Montgomery St., (9b) $66,022, (10a) $870, (11a) $278; J. Meehan & Sons, Otis Bldg., (12b) $229,992, (13b) $11,661, (14a) $585; M. Leewright, Phila., (15a) $511; J. Devlin, Jr., Hancock and Thompson Sts., (16a) $347; T. Connor, 3329 North 5th St., (17a) $1,597.

Pa., Phila.—City received bids June 29, paving (1) 6th St. from Oxford to York Sts., (2) Ridge Ave. from Columbia to Susquehanna Aves., (3) Ridge Ave. from Indiana Ave. to School House Lane, (4) 5th and 6th Sts. from Wharton St. to Snyder Ave., (5) 6th St. from York to Allegheny Sts., (6) 5th and 6th Sts. from Allegheny to Erie Aves., (7) Main St., (8) 5th St. from York to Allegheny Aves., (9) Grays Ferry Ave., (10) 22nd St., (11) Harrocks Sts., (12) Fairhill St., (13) Woodland Ave. from 34th to 39th Sts., (14) Germantown Ave., (15) Delaware Ave., (16) Woodland Ave. from 41st to 50th Sts., (17) 5th St. from Oxford to York Sts. from Ryan Constr. Co., 33rd St. and Grays Ferry Rd., (1) $47,847, (2) $79,538, (3) $114,636, (4) $83,233, (5) $53,818, (6) $90,338, (7) $75,397, (8) $71,053, (9) $49,793; Eastern Paving Co., Colonial Trust Bldg., (1) $50,925, (2) $74,281, (3) $103,098, (6) $84,893, (10) $55,973, (11) $9,042, (12) $14,494; Union Paving Co., 30th and Locust Sts., (1 $47,908, (2) $77,866, (3) $104,023, (4) $90,149, (5) $58,415, (7) $73,923, (8) $73,943, (10) $55,792, (13) $57,536, (15) 130,072, (16) $72,796, (17) $161,848; J. Lombardi, 1627 South Broad St., (4) $88,878, (14) $81,215; G. Donahough, Phila., (5) $56,530, (6) $88,549; R. E. J. Smith Co, Phila., (7) $103,093; J. Demsey & Son, Phila., (8) $73,233; Cunningham & Meredith, Phila., (9) $48,544; W. H. Echman, Jr., Phila., (9) $46,870; Barber Asphalt Co., Land Title Bldg., (10) $54,063, (11) $9,140, (12) $14,819; A. J. Anderson, Phila., (11) $8,915, (12) $15,643; B. Foster Co., 20th and Venango Sts., (13) $63,301; United Paving Co., Land Title Bldg., (13) $61,466; M. J. McCrudden, Real Estate Trust Bldg., (14) $84,966; Fish-Rutherford Co., Inc., Real Estate Trust Bldg., (14) $84,315, (15) $157,491; F. T. Buckins, Jr., Kensington and Deal Sts., (15) $140,421; Cunningham & Murray, Phila., (16) $72,614; W. H. Damon, Jr., Phila., (16) $77,777, (17) $80,247; Dobbins & Flood, Phila., (17) $83,460.

★**North Carolina**—State Highway Comn., at div. office, Greensboro, let contract grading, draining, bridging and surfacing 10.57 mi. State Aid Project 510, Guilford and Forsyth Counties, to Royer-Ferguson Co., Silver Springs, Md., $389,088. Noted June 23.

★**North Carolina**—State Highway Comn., at Div. office Kinston, let contract grading, draining and surfacing 16 mi. State Aid Project 511, Duplin Co., to C. W. Lacy, Wilmington, $90,005. Noted June 23.

★**North Carolina**—State Highway Comn., at div. office, Durham, let contract grading, draining and surfacing 21.9 mi. Lafayette Highway, State Aid Project 560, Harnett Co., to C. B. Kershaw Contg. Co., Woodward Bldg., Birmingham, Ala., $75,633. Noted June 23.

★**N. C., Gastonia**—City let contract paving various streets, involving 30,000 sq.yd. sheet asphalt, to North Constr. Co., Gastonia. About $100,000.

★**N. C., Greensboro**—Comrs. Guilford Co. let contract grading, draining and sand clay surfacing 12 mi. road from Alamance Church to Kimesville, to S. L. Davis Constr. Co., Millboro, $32,268.

★**Alabama**—State Highway Dept., Montgomery, let contracts to Stanley & Singer Constr. Co., La Fayette, grading, draining and surfacing 17.6 mi. road from Talladega to Calhoun Co. line, Sect. A, Talladega Co., chert or gravel, $143,715, 5.12 mi. road from Talladega to Calhoun Co. line, Sect. B, chert or gravel, $35,940, 2.296 mi. Jackson Highway, Washington Co., gravel, $47,661, 13.995 mi. road from Calvert to Axis, Mobile Co., gravel, $112,316; to Comrs. Pike Co., Troy, grading, draining and surfacing 10.226 mi. road from Banks to Brundidge, Pike Co., $40,452. Noted June 30.

★**Louisiana**—State Highway Dept., Maison Blanche Annex Bldg., New Orleans, let contract building 11.55 mi. Oak Grove Delhi Highway, Sect. C, West Carrol Parish, to McKeithen Constr. Co., Grason, $71,394. Noted June 9.

★**Louisiana**—State Highway Dept., New Orleans, let contract building 11.53 mi. Sect. B Oberlin-Lake Charles and Oberlin-Alexandria Highway, Allen Parish, to A. D. Lambert, Baton Rouge. About $47,000. Noted June 23.

★**O., Cleveland**—City let contract grading, draining, curbing and paving East 93rd St. from Quincy to Quebec Aves., to Bentley Bros., 1836 Euclid Ave., $7,161; Beachwood Ave. from East 131st St. to East Blvd., to Enterprise Paving & Constr. Co., 8444 Bway., $28,154. Work involves 62,800 sq.ft. brick block on 6 in. concrete base, 3,715 sq.ft. stone curbing, etc.

O., Cleveland—City received bids grading, draining and paving (1) East 130th St. from Iroquois Ave. to south end, (2) East

Streets and Roads (Continued)

43d St. from Payne to Hough Aves.; grading, draining, curbing and paving. (3) East 114th St. from Woodland to Helda Aves., (4) Joan Ave. from West 105th St. to Lorain Ave., (5) Berry Ave. from West 73d to West 82d Sts., (6) Robertson Ave. from East 116th to East 122d Sts., (7) Riverside Ave. from Fulton Rd. to West 45th St., (8) Fidelity Ave. from West 105th St. to West Blvd., (9) East 119th St. from Imperial Ave. to Kinsman Rd. from Cleveland-Trinidad Paving Co., The Arcade, (1) $17,218, (4) $14,540, (5) $11,597, (8) $10,656; G. B. Herring, Drexel Ave., (1) $20,287; Burnett & Hathaway, c/o Pavers Exch., Society for Savings Bldg., (2) $16,917; River Constr. Co., Schofield Bldg., (2) $17,393, (3) $12,018, (6) $30,558, (9) $34,269; Bentley Bros., 1836 Euclid Ave., (3) $12,129; Freshwater Constr. Co., Natl. Bldg., (4) $14,629, (8) $10,716; Roehl Bros., West 25th St. and Clark Ave., (5) $11,182, (7) $12,262; Enterprise Paving & Constr. Co., 8444 Bway., (6) $28,838; W. E. McHugh, Cleveland, (7) $12,865; Rieley Bros., The Arcade, (9) $35,715.

O., Cleveland—Comrs. Cuyahoga Co. received bids improving Wallings Rd., involving 1,600 cu.yd. grading, 25,800 sq.yd. macadam on 6 in concrete base, etc., from Ohio Constr. Co., Elyria, $79,615, L. G. Carey, Cleveland, $90,166; Harvard Rd. 3, 3,400 sq.yd. brick block, 1,550 sq.yd. 6 in. concrete base and 1,300 cu.ft. gutter, etc., from E. Gedney, 1216 Addison Rd., $36,716. McHugh Bros., Yale Ave., $37,651.

★**O., Columbus**—Comrs. Franklin Co. let contract grading, building bridges and culverts and paving 2.94 mi. Brice Rd., waterbound macadam, to Harness-Rennick Co., Williamsport, $73,275. Noted May 19.

O., Columbus—W. H. Duffy, dir. Pub. Serv., received bids June 28, grading, draining, curbing and paving 1,735 ft. Broad St. from Anson to Sandusky Sts., asphalt from Franklin Asphalt Paving Co., 209 South High St., $43,911; Cleveland Trinidad Paving Co., The Arcade, Cleveland, $46,504. Noted June 23.

O., East Cleveland (Cleveland P. O.)—City received bid grading and paving Helmsdale-Caledonia and Shawview Grayton Rd., involving 8,276 sq.yd. asphalt, from Cleveland Trinidad Paving Co., The Arcade, Cleveland. About $35,000.

★**O., St. Clairsville**—Belmont Co. let contract paving 2 mi. Neffs Bellaire Rd., concrete, to Seeple & Wolf Constr. Co., Youngstown, $185,044.

★**Mich., Allegan**—State Highway Dept. at office Bd. Rd. Comrs. Allegan Co. let contract grading and surfacing 4.198 mi. Federal Aid Project 32, Sect. B, to A. M. Comb, Kalamazoo, $95,310. Noted June 9.

★**Mich., Dearborn**—City let contract paving Mason St., involving 9,470 sq.yd. 8 in. and 4,830 sq. yd. 6 in. concrete, etc., to Otis Cement Constr Co., 806 Hammond Bldg., Detroit, $28,853. Noted June 16.

★**Mich., Detroit**—City let contract surfacing roadways on Belle Isle, involving 30,000 sq.yd. 2 in. asphalt on 1½ in. binder, to Detroit Asphalt Paving Co., 20 McGraw Bldg., $1.90 per sq.yd.

★**Mich., Detroit**—City received bids paving 1 mi. John R. St. from Six Mile Rd. to Seven Mile Rd., from G. R. Cooke, 1260 Penobscot Bldg., $132,255; Detroit Asphalt Paving Co., 20 McGraw Bldg., $136,598; Cleveland Trinidad Paving Co., 402 Hammond Bldg., $139,966. Noted Apr. 28.

Mich., Detroit—City received bids grading, shaping and paving with sheet asphalt on 8 in. concrete base, (1) Burdeno Ave. from West End to Dearborn Aves., (2) 14th St. from Fenkell to Puritan Aves., (3) Highland Ave. from Wabash Ave. to Pere Marquette R.R., (4) Harvey Ave. from Junction to Campbell Aves., (5) Herkimer Ave. from Dearborn to Dey Aves., (6) Hazelwood Ave. from Linwood to Lawton Aves., (7) Lyon Ave. from Dearborn to Leigh Aves., (8) Melville Ave. from Dearborn to Leigh Aves., (9) Prairie Ave. from Grand River to Burlingame Aves., (10) Stoepel Ave. from Plymouth Rd. to Grand River Ave., (11) Stone St. from Wabash R.R. to Dearborn Ave., (12) Wabash Ave. from Pilgrim to Puritan Aves., from Detroit Asphalt Paving Co., 20 McGraw Bldg., (1) $22,080, (2) $49,163, (3) $12,361, (4) $11,185, (5) $26,311, (6) $14,918, (7) $21,162, (8) $16,835, (9) $18,427, (10) $16,357, (11) $24,857, (12) $18,432; Cleveland Trinidad Paving Co., 402 Hammond Bldg., (1) $22,725, (2) $49,521, (3) $12,445, (4) $11,807, (5) $27,174, (6) $15,171, (7) $21,740, (8) $17,323, (9) $18,765, (10) $16,670, (11) $25,581, (12) $18,543.

★**Mich., Ithaca**—State Highway Dept. at office Bd. Rd. Comrs. Gratiot Co. let contracts grading, draining and surfacing 0.963 mi. State Trunk Line Rd. 46-3, to Sager Bros., Saginaw, $35,053; 1.909 mi. State Trunk Line Rd. 14-22, Sects. A, B and C. to Holmes, Crane & Bartling, Alma, $67,217; 0.866 mi. State Trunk Line Rd. 14-21, Sects. A and B, to Palma Constr. Co., Ypslanti. $29,734. Noted June 9.

★**Mich., Manistique**—State Highway Dept. at office Bd. Rd. Comrs. Schoolcraft Co. let contract grading and surfacing 5.044 mi. State Trunk Line Rd. 12-30, to Manistique Dray & Transfer Co., Manistique, $60,031. Noted May 19.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, received bids June 28 paving (1) 6 mi. Sect. C-1, Project 7, Putnam Co., (2) 0.44 mi. Sect. F-129a, Project 7, Putnam Co., (3) 6.44 mi. Combination A, Project 7, Putnam Co., (4) 4.91 mi. Sect. D-1, Project 7, Bureau Co., (5) 3.23 mi. Sect. J-1, Project 7, Bureau Co., (6) 8.14 mi. Combination B, Project 7, Bureau Co., (7) 14.58 mi. Combination C, Project 7, Bureau Co., (8) 2.55 mi. Sect. I-1, Project 7, LaSalle Co., (9) 1.61 mi. Sect. U-1, Project 7, La Salle Co., (10) 3.64 mi. Sect. V-1, Project 8, Macoupin Co., (11) 4.14 mi. Sect. L-1, Project 9, Effingham Co., (12) 2.17 mi. Sect. T-1, Project 9, Madison Co., from Cameron, Joyce Co., Keokuk, Ia., (1) $122,227, (4) $103,421, (6) $178,667; Jansen & Schafer, Pekin, (1) $126,262, (2) $9,202, (5) $70,604, (7) $287,671; J. J. Dunnegan, Shenandoah, Ia., (1 $126,878, (2) $9,349, (3) $136,228, (4) $110,150, (5) $72,049, (6) $180,000, (8) $84,752; J. Mackler & Co., Chicago Heights, (2) $119,645, (9) $36,352; Central Eng. Co., East End St., Davenport, Ia., (3) $150,285, (4) $102,383, (6) $168,714; Keokuk Quarry & Constr. Co., Keokuk, Ia., (5) $70,231 (10) $115,198; Warner Constr. Co., 730 Waveland Ave., Chicago, (8) $101,838; Schmidt Bros., 105 North Clark St., Chicago, (8) $133,185; Miller & Comstock, Peoria, (9) $33,579; Trompeter & Sons, Peru, (9) $34-749; H. H. Hall Constr. Co., East St. Louis, (10) $115,747; W. F. Smith & Co., Keokuk, (10) $115,527; J. W. Etchison, Effingham, (11) $93,054; Barnes & Vehey Constr. Co., Effingham, (11) $93,292; C. J. Moritz, Inc., Effingham, (11) $109,662; Hugh Lumber & Constr. Co., Highlands, (12) $53,372; H. H. Hall Constr. Co., East St. Louis, (12) $55,688; J. Kesl & Son, Edwardsville, (12) $59,024. Noted June 23.

★**Ill., Benton**—City let contract paving 5th, 6th, Mitchell and Election Sts., concrete, to Shidler Constr. Material Co., Kankakee, $34,958. Noted June 16.

★**Ill., Chicago**—Bd. Local Impvts., 207 City Hall, let contract paving Wabash Ave. from 12th St. (Roosevelt Rd.) to 22nd St., 26,000 sq.yd. creosoted wood block on 8 in. concrete, 9,000 ft. concrete, etc., to Ryan Co., 4500 West Division St., $314,020; 103rd. St. from Michigan Ave. to point 252 ft. east of St. Lawrence Ave., 9,880 sq.yd. creosoted wood block on 6 in. concrete, 6,960 ft. concrete, to J. A. Sackley Co., 133 West Washington St., $117,070; East 111th St. from Michigan to Edbrooke Ave. and from Edbrooke to Eberhart Aves., 1,259 ft. sandstone, 6,670 sq.yd. creosoted wood block on 6 in. concrete, 1,940 ft. concrete, etc., to J. A. McQuarry & Co., 189 West Washington St., $90,409.

Ill., Chicago—Bd. Local Impvts., 207 City Hall, received bids June 24 paving (1) West 76th St. from Morgan St. to Racine Ave., involving 4,800 sq.yd. asphalt, 2,800 ft. concrete curbs, etc., (2) West 13th St. from Kedzie to Homan Aves., 4,000 sq.yd. asphalt, 2,500 ft. concrete curbs, etc., (3) Turner St. from Archer Ave. to point 500 ft. west, 1,760 sq.yd. asphalt, 1,000 ft. concrete, (4) Cregier Ave. from East 77th to 78th Sts., 1,940 sq.yd. asphalt, 1,380 ft. concrete, etc., (5) East End Ave. from East 79th St. to South Chicago Ave., 1,720 sq. yd. asphalt, 1,280 ft. concrete, (6) West 18th St. from Keeler to Kostner Aves., 4,320 sq.yd. asphalt, 2,630 ft. concrete, (7) West 49th Pl. from Laflin to Throop Sts., 3,900 ft. asphalt, 2,750 ft. concrete, (8) West 52nd St. from State to Federal Sts., 1,480 sq.yd. asphalt, (9) Federal St. from 77th to 79th Sts., 4,010 sq.yd. asphalt, 2,550 ft. concrete, (10) Gladys Ave. to Laramie to Central Aves., 7,240 sq.yd. asphalt, 5,000 ft. concrete, (11) Hoyne Ave. from Garfield Blvd. to West 59th St., 8,200 sq.yd. asphalt, 5,000 ft. concrete, (12) Lavergne Ave. from Madison to Harrison Sts., 8,600 sq.yd. asphalt, 5,300 ft. concrete, (13) Lawler Ave. from North to Hirsch Aves., 3,570 sq.yd. asphalt, 2,600 ft. concrete, (14) Lookwood Ave. from Madison to Harrison Sts. 8,100 sq.yd. asphalt, 5,040 ft. concrete, (15) Morgan St. from 74th St. to point 477 ft. south 1,620 sq.yd. asphalt, 1,000 ft. concrete, (16) Peoria St. from 60th to 63d Sts., 3,960 ft. concrete, 6,400 sq.yd. asphalt, (17) San Jose St. from Leavitt St. to Oakley Blvd., 1,900 sq.yd. asphalt, 1,300 ft. concrete, (18) East 76th St. from Constance to Ridgeland Aves., 1,600 sq.yd. asphalt, 1,180 ft. concrete, etc., from

R. F. Conway Co., 133 West Washington St., (1) $31,495 (2) $24,130 (3) $9,222 (5) $10,026 (7) $20,958 (8) $8,074 (9) $23,042 (11) $48,861 (15) $9,785 (16) $33,460 (17) $11,089 (18) $11,133.

Amer. Asphalt Paving Co., 133 West Washington St., (1) $32,201 (2) $24,405 (3) $9,258 (4) $11,500 (5) $10,134 (6) $21,962 (7) $23,289 (8) $8,116 (9) $22,316 (10) $38,579 (11) $50,975 (12) $54,165 (13) $21,624 (14) $50,015 (15) $9,938 (16) $33,195 (17) $11,550 (18) $11,050.

White Paving Co., 17 North La Salle St., (1) $32,737 (4) $11,933.

H. G. Goeletz, Chicago, (2) $21,604 (6) $19,028 (10) $33,661 (12) $49,717 (13) $19,505 (14) $45,893.

Commonwealth Impvt. Co., Chicago, (3) $9,279 (4) $11,365 (5) $10,004 (7) $23,681 (8) $8,354 (9) $22,605 (11) $49,791 (13) $22,643 (15) $9,730 (16) $33,619 (17) $11,426 (18) $11,009.

Standard Paving Co., 29 South La Salle St., (6) $22,285 (10) $38,676 (12) $54,523 (14) $49,961. Noted June 23.

Ill., Chicago—Bd. Local Impvts., 207 City Hall, received bids June 28 paving (1) West 63d St. from Central to Austin Aves., involving 13,000 sq.yd. vitr. brick on 6 in. concrete, 5,300 ft. concrete curbs, etc., (2) East 111th St. from Michigan to Edbrooke Ave. and Edbrooke to Eberhart Aves., 1,300 sq.yd. sandstone block pavement on 6 in. concrete, 6,670 sq.yd. creosoted wood block on 6 in. concrete, etc., (3) curbing May, Aberdeen, Carpenter, Morgan and West 54th Sts., 12,500 cu.yd. concrete curbs on 3 in. cinder, gravel or sand, from Reidy & Callaghan Coal Co., 133 West Washington St., (1) $102,764 (2) $92,530.

Ryan Co., 4500 West Division St., (1) $103,190; J. A. Sackley & Co., 133 West Washington St., (1) $103,588 (2) $90,999 (3) $31,628; J. A. McQuarry & Co., 189 West Washington St., (2) $90,409; W. P. Cagney, 189 West Washington St., (3) $29,853. Noted June 23.

★**Wisconsin**—State Highway Comn., at dir. office, Eau Claire, let contracts building Bloomer-Connersville Rd., Federal Aid Project 204, Dunn Co., involving 15,628 cu.yd. earth and 220 cu.yd. solid rock excav., 355.5 cu.yd. Class A concrete and 3,740 cu.yd. clay surfacing, etc., to Ofstie & Mulheron, Spring Valley, $24,895; Bloomington-Lancaster Rd., Federal Aid Project 211, to T. H. Gharrity & Sons, Beloit, $35,294; River Falls-Hudson Rd., Federal Aid Project 242, 7,405 cu.yd. excav., 83.07 cu.yd Class A concrete and 2,250 cu. yd. gravel surfacing, also Connorsville-New Richmond Rd., Project 241, St. Croix Co., 4,886 cu.yd. earth and 303 cu.yd. solid rock excav., 306.54 cu. yd. concrete in culverts, etc., to Isaacson & Mulheron, Spring Valley, $7,892 and $12,601 respectively; Eau Claire-Mondove Rd., Project 205, Eau Claire Co., 17,566 cu.yd. earth and 436 cu.yd. rock excav., 8,710 cu. yd. shale surfacing, etc., to Lowe Bros., Strum, $18,145; New Richmond-Bloomer Rd., Project 252, Dunn Co., to G. Gardiner, Ellsworth, $3,635. Noted June 16.

★**Wis., Elkhorn**—Walworth Co. State Rd. and Bridge Comn., let contract to Whitewater Bridge Co., Whitewater, building Ft. Atkinson Whitewater Rd., involving 4,336 cu.yd. excav., at $1.15 per cu.yd., 73.59 cu. yd. concrete culverts, $20, 65.8 cu.yd. concrete in bridges, $23 and 15,800 cu.yd. concrete surfacing, $1.42, etc., total cost $44,504; to P. W. Ryan & Sons, Janesville, building Milwaukee-Janesville Rd., 12,114 cu.yd. excav., $0.72, 83.45 cu.yd. concrete culverts, $22.50 and 3,030 cu.yd. gravel surfacing, $2.18, $17,205.

Wis., Mayville—City received bids paving various streets, involving 14,390 sq.yd. bitulithic on concrete base, from J. R. Rasmussen & Sons, 7th St., Oshkosh, $79,221; White Constr. Co., 68 Wisconsin St., Milwaukee, $80,803; Western Impvt. Co., 840-9th St., Racine, $86,866. Noted June 23.

★**Wis., Milwaukee**—City let contract grading site for Riverside pumping station on Chambers St., to H. Hohensee, Ludington Ave., Wauwatosa, $44,992.

★**Wis., Stevens Point**—City let contract paving, guttering and curbing various streets, involving 75,000 sq.yd. asphaltic concrete, to J. Rasmussen & Son, foot of 7th St., Oshkosh, $1.15 sq.yd. Noted June 9.

Wis., Waukesha—Waukesha Co. State Rd. and Bridge Com. received bids building Waukesha-Genesee Rd., involving (1) 10,-

Streets and Roads (Continued)

624 cu.yd. earth excav., (2) 54.1 cu.yd. concrete culverts, (3) 93.5 cu.yd. concrete in bridges, (4) 32,000 sq.yd. concrete surfacing, (5) 10,600 bbl. cement, from Froemming Bros., Milwaukee, (1) $0.75, (2) $24, (3) $28, (4) $1.31, (5) $2.54, total cost $80,728; McGucken Constr. Co., 425 East Water St., Milwaukee, (1) $1.12, (2) $22.50, (3) $25, (4) $1.24, (5) $2.52, $81,-846; Jacobus & Winding, Wauwatosa, (1) $1.08, (2) $24, (3) $28, (4) $1.38, $86,686; Oconomowoc-County Line Rd., (1) 3,741 cu.yd. earth excav., (2) 61 cu.yd. borrow, (3) 21.7 cu.yd. concrete culverts, (4) 12,200 sq.yd. concrete surfacing, (5) 4,000 bbl. cement, from Wilson & Johnson, Appleton, (1) $1.10, (2) $1.10, (3) $22, (4) $1.60, (5) $2.58, $34,500; J. R. Griffith, 1425 Owen Ave., Racine, (1) $1.16, (2) $1.16, (3) $24.50, (4) $1.59, (5) $2.68, $35,060; F. Nelson, 1244 Marquette St., (1) $1.35, (2) $1.35, (3) $25, (4) $1.65, (5) $2.88, $37,325.

★**Ia., Newton**—Jasper Co. let following contracts grading and draining 12 mi. Primary Rd. east and west of here, involving 95,611 cu.yd. excav., 23,120 lin.ft. 6-12 in. tile, 9 intakes, etc., grading, to Phelan-Shirley Co., 306 South 24th St., Omaha, Neb., $0.314 per cu.yd.; tile labor, to G. Blunt, Webster City, $0.12 per ft.; tile material, to Engle Tile & Fuel Co., Newton.

Minn., Duluth—Until July 22, by Auditor St. Louis Co., Court House, grading, ditching and draining, etc., 5 mi. State Job 2006 between Chisholm and Buhl, involving 120,000 cu.yd. excav., etc.; 1 mi. Federal Aid Project 183, 6,200 cu.yd. excav.; 1.6 mi. State Job 2110, 14,000 cu.yd. excav.; 1 mi. Federal Aid Project 182, 14,000 cu.yd. excav.; 1.62 mi. State Job 2004 Div. 1, 21,000 cu.yd. excav.; 1.6 mi. State Job 2004 Div 2, 19,000 cu.yd. ditch excav.; 1.3 mi. Federal Aid Job 189, 19,000 cu.yd. excav.; 8.5 mi. State Job 2106, 154,000 cu.yd. excav.; 8.2 mi. State Job 2107, 129,000 cu.yd. excav.; 1 mi. Federal Aid Project 180, 19,000 cu.yd. excav.; 2.6 mi. State Job 2003, 25,000 cu.yd. excav.; 6.9 mi State Job 2002, 100,000 cu.yd. excav.; 2.1 mi. Federal Aid Project 202, 31,000 cu.yd. excav.; 2.7 mi. State Job 2102, 43,000 cu.yd. excav.; 4.8 mi. State Job 2005, 70,000 cu.yd. excav., all above on State Rd. 35; 7 mi. State Job 2004, Div. 3, State Rd. 1, 11,000 cu.yd. ditch excav., 1 mi. Federal Aid Project 201, 10,-000 cu.yd. excav., and 7.9 mi. State Job 2101, 120,000 cu.yd. excav., both on State Rd. 3.

★**Minn., Warren**—Marshall Co. let contract grading and draining 10 mi. Job. 2101, Argyle to Snake River, involving 57,-038 cu.yd. excav., 9,769 cu.yd. overhaul, etc., to E. Morberg, Oslo, $0.23 per cu.yd.; 13 mi. Job 2102, Sect. 13, 86,560 cu.yd. excav., 3,145 cu.yd. overhaul, etc., to S. G. Enabat, Warren, $0.18 per cu.yd.; 8 mi. Job 2102, Viking to Steiner, 60,000 cu.yd. excav., 40,000 cu.yd. overhaul, etc., to P. O. J. Landin, Warren, $0.27 per cu.yd.; 5 mi. Job 2105, Holt east to Thief River, 45,-943 cu.yd. excav., etc., to W. D. Tripp, Viking, $0.19 per cu.yd.; 4.7 mi. Job 2006, 25,000 cu.yd. excav., to Sollom & Moen, Middle River, $0.215 cu.yd.

★**Kan., Plainville**—City let contract grading, paving, curbing and guttering portions of mill, Meridan, Jefferson and Main Sts., total length 11 blocks, to E. W. Geiger Constr. Co., Leavenworth, $3.725 per sq.yd.

★**Kan., Wichita**—Sedgwick Co. let contracts to F. Bechtelheimer, Topeka, grading and building culverts on 5.937 mi. Cannon Ball Trail, Sect. B, $21,285; 3.937 mi. Sect. C, $19,188; 4.983 mi. Sect. D, $21,844; 3.976 mi. Sect. E, $11,585; 1.991 mi. Cheney Extension, $8,166. Noted June 9.

★**S. D., Sioux Falls**—City let contract paving Center Ave. between 18th and 26th Sts. and 25th St. between Phillips and Duluth Aves., to C. H. Atkinson Paving Co., Watertown, $3.35 per sq.yd. Noted June 9.

S. D., Rapid City—City received bid paving various streets, involving 43,000 sq.yd. concrete, from Jensen Paving Co., Rapid City, $3.48 per sq.yd. Noted May 19.

★**S. D., Sioux Falls**—City let contract surfacing 11 blocks of Main St., 36 ft. wide, brick on concrete base, to J. O. Fowler, 302 North Hawthorne Ave., Sioux Falls, $25,371. Noted June 30.

★**S. D., Yankton**—City let contract paving 20 blocks, 35 ft. wide, to C. H. Atkinson & Co., Watertown, $58,365. Noted June 9.

★**Montana**—State Highway Comn., Helena, let contract grading and draining 7 mi. Federal Aid Project 118 and 145-D, Lincoln Co., involving 42,832 cu.yd. excav., 948 sta.yd. overhaul, 1,076 lin.ft. 12-24 in. pipe culverts, 4,527 cu.yd. retaining wall, etc., to B. Helean, Missoula, $69,297.

★**Missouri**—State Highway Dept., Charleston, let contract building 6.93 mi. state road from Charleston westward, Federal Aid Project 7, Sect. B, Mississippi Co., to R. L. Williams, Wyatt, $144,507. Noted June 23.

★**Missouri**—State Highway Dept., Jefferson City, let contract building 4.88 mi. state road from Marshfield northward, State Aid Project S 20.60 Webster Co., to Allhands & Davis, Joplin, $15,295; 2.74 mi. state road from Morrellton westward, State Aid Project S 20.40, Franklin Co., to L. W. Spangler, Endinburg, Ill., $12,945; 2.27 mi. state road from Coon Creek near Lake Taneycomo, northward, Federal Aid Project 70 and 1.83 mi. state road from Coon Creek near Lake Taneycomb, southward, Federal Aid Project 71, both Taney Co., to C. J. Williams, Monett, $12,294 and $14,523 respectively. Noted June 23.

★**Mo., St. Louis**—City let following contracts, resurfacing various streets: Letting 1173, to Skrainka Constr. Co., 319 North 14th St., $14,714; Letting 1174 and 1182, to Eyerman Constr. Co., 1220 South Grand St., $23,270 and $14,353 respectively; Letting 1175, to J. E. Perkinson Constr. Co., 3273 Carter Ave., $12,590; Lettings 1178 and 1179, to Trinidad Asphalt Co., Title Guaranty Bldg., $17,565 and $70,442 respectively; Lettings 1180 and 1181, to Independent Quarry & Constr. Co., 4875 Ashland St., $23, 165 and $25,886 respectively. Noted June 9.

★**Ark., Marion** — Crittenden Co. let contracts hauling and gravel surfacing 3 mi. road in Impvt. Dist. 7, to S. K. Jones, 1252 Harbert St., Memphis, Tenn., $11,420, 2 mi. to Keliher Constr. Co., South Trust Bldg., Little Rock, $9,360; 3.1 mi. road in Impvt. Dist. 9, to Z. I., Bragg, Marion, $13,575, 9.5 mi., to J. A. Purdue & Co., Pine Bluff, $41,-350. Districts to furnish gravel. Noted June 16.

Tex., Cleburne—Johnson Co. received bids grading, surfacing and draining 14.94 mi. Highway 2, the main branch of Meridian Highway, involving 96,347 cu.yd. borrow, 26,852 cu.yd. roadway and 306 cu.yd. rock excav., 1,795.09 cu.yd. Class A and 260.47 cu.yd. Class B, 158,826 lb. reinforcing steel, from: S. M. Bush, care of County Engineer, Cleburne, $120,824; Womack Constr Co., Sherman, $121,948; McCollum Constr. Co., and W. P. McCoy, 224, Texas State Bank Bldg., Ft. Worth, $122,249. County to furnish 53,477 cu.yd. gravel, $97,863. Noted June 16.

★**Tex., Lufkin**—Angelina Co. let contract grading, surfacing and draining 7.62 mi. State Highway 35, involving 85.4 acres clearing and grubbing, 29,019 cu.yd. roadway and 45,245 cu.yd. borrow excav., 325.5 cu.yd. 1:2:4 concrete, 26,653 lb. reinforcing steel, 14,907 cu.yd. gravel surfacing, to Smith Bros. & Moore, care of Smith Bros., Crockett, $69,821 including 10 per cent for engineering and contingencies.

★**Tex., Van Horn**—Culberson Co. let contract gravel surfacing and draining 11.02 mi. State Highway 1, to H. E. Williams, 2914 Tularosa St., El Paso, $65,905.

Tex., Wichita Falls—City received bids paving (1) 0.45 mi. Ohio St. from Front to 6th Sts., 40 and 50 ft. wide, concrete; (2) 0.34 mi. Indiana St. from 6th to Front Sts., 60 ft. wide, concrete; (3) 0.73 mi. 15th St. from Lamar to Grace Sts., 36 ft. wide, (a) uvalde rock asphalt, (b) asphalt, (c) bitulithic; (4) Filmore St., (a) asphalt, (b) bitulithic, (c) uvalde rock asphalt, (d) concrete; (5) 0.5 mi. of 6th, Elizabeth and Holliday Sts., (a) 6th St. with concrete, (b) Elizabeth and Holliday Sts. with bituminous pavement, asphalt, bitulithic or uvalde rock asphalt, from Plains Paving Co., 920 Amer. Natl. Bank Bldg., (1) $54,-767, (2) $53,700; Wichita Falls Paving Co., Wichita Falls, (1) $59,276, (2) $58,110 (3b) $74,306, (4a) $33,590, (5a and b) asphalt $54,879; L. T. Whithan, Wichita Falls, (2) $53,909, (4d) $33,193; Texas Bitulithic Co., 1101 Praetorian Bldg., Dallas, (3c) $77,047, (4b) $37,198, (5b) bitulithic $49,121; Roberts Bros. Constr. Co., Wichita Falls, (4c) $37,090; (5b) uvalde rock asphalt $46,889. Noted June 2.

Colorado—State Highway Dept., Denver, received bids sand clay surfacing (1) 3.296 mi. Colorado Springs-Florence Rd., Federal Aid Project 94, El Paso Co., (2) 3.28 mi. Limon-Mattison Rd., Federal Aid Project 127, Lincoln Co., (3) 9.875 mi. Limon Genoa Rd., Federal Aid Project 111, Lincoln Co.; grading and draining, (4) 1.051 mi. Ouray-Silverton Rd., Federal Aid Project 102, Fremont Co., (5) 5.097 mi. Buena-Vista-Divide, Federal Aid Project 54, Chaffee Co., (6) 3.308 mi. Redcliff-Gilman Rd., Federal Aid Project 182, Eagle Co., (7) 3.124 mi. Ouray-Silverton Rd., Federal Aid Project 174, Ouray Co., (8) 2.135 mi. San Luis-Ft. Garland Rd., Federal Aid Project 180, Costilla Co.; gravel surfacing (9) 3.2 mi. Sapinero-Gunnison Rd., Federal Aid Project 172, Gunnison Co., (10) 8.787 mi. Cheyenne Wells North Rd., Federal Aid Project 51, Cheyenne Co., concrete paving (11) 4.772 mi. Denver-Ft. Lupton Rd., Federal Aid Project 148, Adams and Weld Counties, (13) 2.078 mi. Greeley-La Salle Rd., Federal Aid Project 149, Weld Co.; shale surfacing (14) 2.698 mi. Rifle-Meeker Rd., Federal Aid Project 187; Rio Blanco Co., from E. H. Howard, (1) $28,122; W. L. Robbins, Florence, (1) $30,581; Mishon, Clark & Teyssier, Pueblo, (1) $30,581; Pickering Bros., Salt Lake City, Utah, (2) $24,768, (3) $43,904, (4) $29,586, (5) $77,551, (7) $60,840; J. J. Bosworth, (2) $25,357; F. L. Hoffman, Denver, (2) $27,496, (4) $30,248; E. Lindsey, 1655 Market St., Denver, (3) $43,777, (10) $27,039; Peterson, Shirley & Guenther, Omaha, Neb., (3) $44,105, (6) $77,485, (7) $64,497; J. M. Gordon, Denver, (5) $74,816, (6) $86,081; Heiselt Constr. Co., Salt Lake City, Utah, (5) $80,874, (6) $78,726, (7) $69,958; C. J. Carlson, (8) $10,571, D. S. Reid, Littleton, (8) $12,662; Levy Constr. Co., Symes Bldg., Denver, (8) $13,629; Giradat & Hotchkiss, Delta, (9) $33,828; E. Wiley, (9) $36,028; Atlas Constr. Co., La Veta, (9), $37,280; Morrison & Crossen, Sterling, (10) $21,673; Monahan & Cunningham, 1711 Market St., Denver, (10) $30,524; A. Dobie, Sterling, (11) $135,132; A. J. Collins, Denver, (11) $136,371; H. R. Phillips, 1605 East 14th Ave., Denver, (11) $138,264, (13) $66,337; Rogers Bros., Florence, (12) $29,768; Dooling Bros., Denver, (12) $29,851; S. L. Winterburn, Grand Junction, (11) $31,282; D. S. McCaldman, Cheyenne, Wyo., (13) $66,534; E. Pierson, Lamar, (13) $69,945; H. Shore, Steamboat Springs, (14) $18,466; E. O'Neil, Meeker, (14) $22,904; T. J. Ehrhart, Denver, (14) $23,514. Noted June 16.

★**Washington** — State Highway Dept., Olympia, let contract clearing, grading, draining and paving 8.6 mi. Pacific Highway from Tenino to Grand Mound, Thurston Co., involving 99,811 sq.yd. concrete, 30,629 cu.yd. earth and 4,970 cu.yd. rock excav., to F. X. McLellan, Lyon Bldg., Seattle, $285,061. Noted June 2.

★**Washington** — State Highway Dept., Olympia, let contracts clearing, grading, draining and surfacing 2 mi. Chelan-Okanogan Highway from Chelan to Chelan Falls, involving 21,060 cu.yd. earth and 1,490 cu.yd. rock excav., 3,200 cu.yd. crushed rock, to Henry & McFee, Green Bldg., Seattle, $54,721; 5½ mi. eastern division, Inland Empire Highway, 29,470 cu.yd. earth, 24,-825 cu.yd. loose and 28,065 cu.yd. solid rock excav., 6,226 cu.yd. crushed rock, 900 ft. concrete pipe for culverts, to Grant Smith & Co., Henry Bldg., Seattle, $103,830; 4 mi. Inland Empire Highway from Colfax north, 7,935 cu.yd. common and 1,370 cu.yd. rock excav., 42,851 sq.yd. one course concrete, 4,155 cu.yd. subgrade, 4,960 cu.yd. overhaul, to Alloway & George, Old Natl. Bank Bldg., Spokane, $152,788.

★**Wash., Chenhalis** — City let contract paving 5 blocks of 1st Ave., et al, concrete, to Grays Harbor Constr. Co., Centralia, $33,985.

Wash., Olympia—City received bid June 15, grading and paving 10 blocks Main St., et. al., concrete, from S. A. Moceri, Thompson Bldg., Seattle, $66,608. Above bid rejected. Work will be readvertised. R. Wood, Olympia, engr.

★**Wash., Seattle**—City let contract paving about 5 mi. Rainier Ave., east side, involving 52,000 sq.yd. concrete, 23,200 lin.ft. concrete curbing, 19,038 lin.ft. water mains, to Jahn & Bressi, New York Blk., $463,-963. June 9.

★**Wash., Seattle**—King Co. let contract paving 7 mi. Renton-Newport Rd., to F. J. McHugh, 3d North and Mercer St., $176,500.

★**Oregon**—State Highway Dept., Portland let contracts clearing and grading 24.21 mi. Mt. Hood Loop from Multnomal Co. line to Forest boundary at Zigzag, Clackamas Co., Unit 1, to Dixon & Howitt, Portland, $49,960, Units 2 and 3, to Johnson Contg. Co., Lumber Exch. Bldg., Portland, $193,-786; concrete paving 3.75 mi. Canby-Aurora Station, Clackamas Co., to Cummins & La Pointe, McMinnville, $108,879. Noted May 19.

California—State Highway Comn., 515 Forum Bldg., Sacramento, received bids grading 12.3 mi. highway between Estrella River and Shannon Pump Sta., San Luis Obispo Co., from F. C. McIntire, Farmers & Merchants Bank Bldg., Stockton, $43,-153; C. H. Laiblen, Mantaca, $45,973; C. H. Hudson, 408 Marsh-Strong Bldg., Los Angeles.

Streets and Roads (Continued)

★**California**—State Highway Comn., 515 Forum Bldg., Sacramento, let contract paving 1.5 mi. and grading 5.7 mi. highway between westerly boundary and 2½ mi. northwest of Chico, Portland cement concrete, to W. A. Kettlewell & Sons, Kingsburg; 19.4 mi. between Los Banos and easterly boundary, Portland cement concrete, to Bates & Rogers Constr. Co., 593 Market St., San Francisco, $275,722. Noted June 9.

★**California**—State Highway Comn., 515 Forum Bldg., Sacramento, let contract grading 12.3 mi. highway between Estrella River and Shannon Pump Sta., San Luis Obispo Co., to F. C. McIntire, Farmers & Merchants Bank Bldg., Stockton, $43,153. Noted June 30.

★**Ont., Ottawa**—City let contract paving Somerset St. from Nicholas St. to Range Rd., involving 11,000 sq.yd. asphalt on concrete base, 6,000 lin.ft. curb and gutter, to Standard Paving Co., Central Chambers, $60,000; Stewart St. from Chapel to Charlotte Sts., involving 4,000 sq.yd. asphalt on concrete base with curb and gutter, to O'Learys Ltd., Natl. Bank Bldg., $21,000; King Edward Ave. involving 4,500 sq.yd. asphalt, 2,500 lin.ft curb and gutter, to Pub. Wks. Dept., $24,500.

Railways

PROPOSED WORK

Ontario—Dominion Power & Transmission Co., Terminal Sta., Hamilton, plans to build 3,000 ft. double track electric street railway on York St. from Queen to James Sts., in Hamilton. About $100,000. E. P. Coleman, Hamilton, supt. and engr.

BIDS DESIRED

North Carolina — University of North Carolina, Chapel Hill, receiving bids building 1 mi. line from Southern R.R. station to University power house. About $50,000. T. C. Atwood, Chapel Hill, engr.

Excavation and Dredging

PROPOSED WORK

Ill., Lincoln — Channel — Comrs. Upper Salt Creek D. D. plans to improve channel, involving 1,000,000 cu.yd. Kelker, Gates & DeLeuw, Conway Bldg., Chicago, engrs.

BIDS DESIRED

N. Y., New York—Dredging—Until July 15, by M. Hulbert, comr. Docks, Pier "A," foot of Battery Pl., North River, dredging outshore portion of Brooklyn Bridge, Impvt. Boro. of Manhattan, Constr. 1694.

Wis., Wisconsin Rapids — Drainage — Until July 27, by Wood Co. Farm Drainage Bd. draining Dist. 1, involving 3½ mi. 6-14 in. drain tile and open ditch; Dist. 3, 6½ mi. open ditch and tile laterals. A. P. Bean, Vesper, secy. G. W. Severns, Pittsville, engr.

Ia., Bedford—Excavation—Until July 12, by Taylor Co., excavating new channel from Platte River D. D. 4, 6 mi. long, involving 495,000 cu.yd. excav. About $50,000. V. R. Smith, aud. A. J. Van Sise, Bedford, engr.

Ia., Mt. Ayr—Excavation—Until July 11 by Ringgold Co., building new channel from Platte River, D. D. 2, 3 mi. long, involving 273,000 cu.yd. excav. About $28,000. E. E. Cornwall, aud. P. S. Holbrook, Mt. Ayr, engr.

Ia., Ottumwa — Drainage and Levee — Until Aug. 10, by F. W. Prosser, aud. Wapello Co., building drainage ditch and levee, Dist. 1, involving 124,142 cu.yd. excav. and 26,055 cu.yd. earth in levee embankment for Wapello and Davis Counties. About $28,000.

Minn., Olivia—Ditch—Until July 15, at office of A. O. Schmidt, aud. Renville Co., (Olivia) constructing Judicial Ditch 24, in Sibley, McLeod and Renville Counties, involving 297,120 cu.yd. excav., etc. About $31,149.

Ont., Welland—Canal—Until July 25, by I. W. Pugsley, secy. Dept. Ry. & Canals, Ottawa, completing Sects 1 and 2 of Welland Canal. About $2,900,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Ia., Indianola** — Drainage — L. R. McPherson and Warren Co., let contract building D.D. 6, involving 965,793 cu.yd. excav., to Pollard & Campbell, 348 Brandeis Theatre Bldg., Omaha, Neb., $0.1035 per cu.yd. Noted June 9.

Industrial Works

PROPOSED WORK

N. H. Nashua—H. C. Lintott, 25 Main St., plans to build 2 story, brick and concrete garage, on Main St. About $40,000. Private plans.

N. H., Nashau—Mercer Bros., 280 Main St had plans prepared by Hutchins & French, archts., 8 Winter St., Boston, for 2 story, 100 x 100 ft. rein.-con. and brick garage, rein.-con. flooring, concrete foundation. About $100,000.

Mass., Pittsfield — Berkshire Auto Co., North St., plans to build brick, steel and rein.-con. garage, on South St. About $40,000. Architect not selected.

Mass., Pittsfield—City Garage & Sales Co., 501 North St., plans to build 3 story, 100 x 130 ft. brick, steel and rein.-con. addition to garage. About $150,000. Architect not announced.

R. I., Providence — Kaminsky & Levin, c/o H. M. Marshak, archt., 312 Strand Bldg., having plans prepared for 1 story, brick and steel garage, rein.-con. flooring, concrete foundation, on South Main, Gregory and South Water Sts. About $40,000.

R. I., Providence—Z. Zawatsky & Sons, 12 Winslow St., plan to build 1 story, brick, cement and steel garage, on Westminister and Knight Sts. About $40,000. Private plans.

Conn., Bridgeport — Bridgeport Storage Warehouse Co., Whiting St., rejected bids building 5 story, 111 x 112 ft. concrete and hollow tile addition to warehouse. About $175,000. Project indefinitely postponed. Lockwood, Greene & Co., 101 Park Ave., New York City, engrs. and archts. Noted May 26.

Conn., Stamford—Monarch Mfg. Co., care of G. A. Freeman, archt., 292 Main St., having plans prepared for a 2 story, 90 x 140 ft. brick and steel plant, on Pacific St.

N. Y., Brooklyn—M. Cohen & Co., Inc., c/o R. G. Cory, archt. and engr., 50 Church St., having plans prepared for 3 story, brick, steel and concrete factory, rein.-con. flooring, concrete foundation, on Evergreen Ave. and Cook St. About $200,000.

N. Y., Long Island City—C. A. Snyder, c/o F. F. Durang, archt., 1220 Locust St., Phila., having plans prepared for 2 story, 44 x 180 ft., brick and steel factory, rock foundation, here. About $75,000.

N. Y., New York—Dunnigan & Crumley, archts. and engrs., 394 East 150th St., preparing plans for 1 story, 100 x 150 ft., brick, steel and concrete garage, rein.-con. flooring, concrete foundation, on Henwood Pl. near Walton Ave., Bronx. About $50,000. Owner's name withheld.

N. Y., New York—New York Edison Co., East 15th St., soon receives bids building 2 story, 40 x 100 ft., brick, steel and concrete sub-station, rein.-con. flooring, concrete foundation, at 224 East 52nd St. About $175,000. Private plans.

N. Y., New York—A. M. Romaine, c/o Sommerfield & Steckler, archts. and engrs., 31 Union Sq., having plans prepared for 7 story, brick, steel and concrete factory, rein.-con. flooring, concrete foundation, at 160 Madison Ave. About $75,000.

N. Y., New York—Lorillard Tobacco Co., 119 West 40th St., having plans prepared by Francisco & Jacobus, archts. and engrs., 511 5th Ave., for 3 story, 200 x 205 ft., brick, steel and concrete factory, rein.-con. flooring, concrete foundation, on 73d St. and Ave. A. About $150,000.

Pa., Roanoke—Amer. Vicose Co., Marcus Hook, having preliminary plans prepared by Bollinger Co., engrs. and archts., 105 South 12th St., Phila., for silk plant, here. About $1,000,000.

D. C., Wash. — Aberinale Investment Co. having plans prepared by W. B. Wood, archt., 816 Connecticut Ave. N.W., for garage. About $200,000.

N. C., Goldsboro—See "Buildings."

O., Cleveland—Hilderbrandt Provision Co., 3616 Clark Ave., had plans prepared by Anders & Reimers, archts., Erie Bldg., for 1 story, 66 x 100 ft., brick and steel garage, brick foundation, at 3600 Clark Ave. About $60,000. H. A. Hilderbrandt, secy.

O., Kent—Western Reserve Cotton Mills Co. having plans prepared by Lockwood-Green & Co., archts. and engrs., Hanna Bldg., Cleveland, for 3 story, brick and concrete mill, rein.-con. flooring, brick and concrete foundation. About $300,000.

O., Lakewood (Cleveland P. O.)—Lakewood Fireproof Storage Co., 14410 Detroit Ave., had plans prepared by W. S. Ferguson Co., archts., 1900 Euclid Ave., Cleveland, for 3 story, 60 x 100 ft. warehouse addition, brick, concrete and steel, rein.-con. flooring, brick and concrete foundation. About $75,000.

Ind., Chesterton — United States China Co. plans to construct 2 story, 100 x 300 ft. pottery plant and 3 story, 50 x 50 ft. machinery building, both brick, rein.-con. flooring. About $100,000 and $75,000 respectively. Private plans.

Wis., Milwaukee — Milwaukee-Western Fuel Co., 120 Wisconsin St., having revised plans prepared and soon receives bids building 1 and 2 story, 125 x 200 ft., brick and timber garage, concrete foundation, on South Pierce St. About $100,000. Former bids rejected. Klug & Smith, 69 Wisconsin St., archts. and engrs. Noted June 30.

Wis., Oshkosh — Kaewer Auto Co., c/o Auler & Jensen, F.R.A. Bldg., having plans prepared for 72 x 100 ft., brick, tile and concrete garage, rein.-con. flooring, concrete foundation, on Main St. About $50,000.

Ia., Des Moines—D. F. Rogers, 612 Clinton St., having plans prepared by F. A. Harris, archt., 3815 4th St. for 3 story, 50 x 132 ft. garage and storage building, rein.-con., brick and tile, in Highland Park. About $50,000.

Minn., Young America—Buegel & Mesenbring having plans prepared by A. Plagens, archt., New Ulm, for 1½ story, 50 x 150 ft., brick and concrete garage. About $45,000.

Mo., Marble Hill—City plans to build electric light and power plant. About $50,000. Address C. Alexander, Lutesville. Engineer not selected.

Que., Asbestos—Canadian John Manuele Co., St. James St., Montreal, receives bids about July 15, building factory here. About $350,000. Private plans.

Ont., Beachville—Beachville Co-operative Creamery plans to build rein.-con. and brick plant on Main St. About $50,000. G. J. Cook, pres.

BIDS DESIRED

Conn., Middletown—Buck & Sheldon Inc., archts. and engrs., 60 Prospect St., Hartford, receiving bids building 3 story, 50 x 60 ft. dairy, rein.-con. and steel, rein.-con. flooring, concrete foundation, on Church and Broad Sts., for Millbrook Dairy Co., 4 Main St. About $40,000. Noted May 26.

N. J., North Hackensack—Until July 18, by Rd. Com. of Bd. Freeholders Bergen Co., Court House, Hackensack, building road material storage plant in County Yard 2, here. J. M. Harkness, clk. Dow & Smith, 131 East 23d St., New York City.; advertised in this issue.

Del., Dover—Until July 20, by State Highway Dept. building 1 story 46 x 140 ft. storage shed, frame, corrugated iron siding, concrete foundation. C. M. Upham, ch. engr.; advertised in this issue.

Miss., Starkville—Mississippi Agriculture College receiving bids building 1 and 2 story power house. About $50,000. Link & Trueblood, Chemical Bldg., St. Louis, Mo., engrs.

O., Cleveland—S. Hovanatz, United Bank Bldg., receiving bids building 2 story, 44 x 86 ft. brick garage, brick foundation, on West 50th St. and Lorain Ave. About $50,000. Hulet & Stanton, 3129 Scranton Rd., archts.

Mich., Mt. Clemens—Until July 11, by T. Van Damme, archt., 14 North Front St., building 2 story, brick and steel county farm buildings, concrete foundations for Macomb Co., c/o architect. About $150,000.

Ia., Des Moines—Until July 12, by Boyd and Moore, archts., 1020 West Grand Ave., building 1 story, 46 x 264 ft. tin factory and 99 x 142 ft. foundry, rein.-con. and brick, concrete foundations, on 26th and Dean Aves., for Keith Furnace Co., 200 Court Ave. About $200,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., New York**—Henwood Bldg. Corp., c/o Dunnigan & Crumley, archts. and engrs., 394 East 150th St., will build 1 story, 100 x 150 ft., brick, steel and concrete garage, rein.-con. flooring, concrete foundation, on Henwood Pl. near Walton Ave., Bronx. About $50,000. Work will be done by day labor.

★**N. Y., New York**—L. T. Phelan, c/o Dunnigan & Crumley, archts. and engrs., 394 East 150th St., will build 1 story, 100 x 150 ft., brick, steel and concrete garage, rein.-con. flooring, concrete foundation, on Burnside Ave. near Ryder Ave. About $75,000. Work will be done by day labor.

★**O., Cleveland**—Empire Rolling Mills Co., Bessemer Ave., let contract building 1 story, 81 x 172 ft., brick and steel factory and warehouse, brick foundation, to H. K. Ferguson Co., Vickers Bldg. About $75,000.

O., Cleveland—Noble Refining Co., East 87th St., let contract building 1 story boiler house factory, brick, brick foundation, on East 87th St. and Bessemer Ave., to Girard Constr. Co., The Arcade. About $75,000.

★**O., Cleveland**—Republic Electric Mfg. modeling and building 3 story, 47 x 57 ft. Co., 1820 East 18th St., let contract re-

Industrial Works (Continued)

brick and steel factory and office addition, brick foundation, on East 18th St. and Chester Ave., to Watson Eng. Co., Cook Bldg. About $75,000. Noted Aug. 12.

★**Wis., Milwaukee** — Milwaukee Sales & Investment Co., 425 East Water St., let contract building 2 story, 50 x 100 ft., brick and concrete factory, rein.-con. flooring, concrete foundation, on Sycamore St., to S. M. Siesel, 105 Wells St. About $40,000.

★**Wis., Neenah**—G. Danke, Main St., let contract building 2 story, 40 x 75 ft. creamery, brick and concrete, rein.-con. flooring, concrete foundation, to C. R. Meyer & Sons, 50 State St., Oshkosh. Total cost $40,000. Noted June 9.

★**Wis., Neenah**—Jersild Knitting Co., 331 West Commercial St., let contract building 50 x 200 ft. addition to factory, rein.-con., brick and steel, rein.-con. flooring, to C. R. Meyer & Sons, 50 State St., Oshkosh. About $42,000.

Ia., Camp Dodge (Herrold P. O.)—Pearse, Robinson & Sprague, archts., 1024 Grand Ave., Des Moines, received bids constructing 1 story, 110 x 324 ft. concrete and steel motor transport building, here, for State, from J. Benson Constr. Co., 422 V. N. B. Bldg., Des Moines, $47,950; W. F. Kucharo, Hubbell Bldg., Des Moines, $49,-262; Western Constr. Co., 611 Flynn Bldg., Des Moines, $49,509. Noted June 23.

★**Kan., Lawrence**—Kansas University let contract building 2 story, 76 x 118 ft. brick power house, rein.-con. flooring, concrete foundation, to Collins Bros., 536 Rialto Bldg., Kansas City, Mo., $82,077. Noted June 16.

Kan., Osborne—City let contract building power plant, to F. A. Roseberger, Osborne. About $75,000. Noted Mar. 31.

★**Mo., St. Louis**—Fleischman Yeast Co., 1535 Market St., let contract building 1 story, 75 x 170 ft., brick and steel factory, on Forest Park Blvd. and Boyle Ave., to Kremer & Voirol Constr. Co., Century Bldg. About $50,000. Noted May 12.

★**Okla., Duncan**—Magnolia Petroleum Co. let contract building two factories, 1 story, 40 x 260 ft. brick and steel, to Austin Co., 16112 Euclid Ave., Cleveland, O. About $100,000.

Cal., Los Angeles — Bd. Educ. received bids building 5 story, 46 x 137 ft. school warehouse, at 1435 San Pedro St., from Jacobs Constr. Co., 738 H. W. Hellman Bldg., $74,973; L. B. Burck Co., 325 South Hill St., $75,952; Bavin & Burch Co., 173 East Jefferson St., $76,542.

Buildings

PROPOSED WORK

Mass., North Adams — Y. M. C. A. soon lets contract constructing 3 story, 80 x 80 ft. brick and steel building, rein.-con. flooring, concrete foundation, on State St. About $150,000. Jallade, Lindsay & Warren, 37 Liberty St., New York City, archts.

Mass., Taunton—School—Bd. Educ. plans to build 2 story, brick and steel. About $150,000. Architect not selected.

Mass., Worcester — Schools — City plans to build Lakeview School, 10 room, brick, on Coburn Ave. and Lakeview St.; cost $150,000; junior high school on Arthur, Grafton and Dorchester Sts., $1,000,000. Architect not selected.

R. I., Providence—School—Blessed Sacrament Roman Catholic Parish, 171 Academy Ave., had revised plans prepared by Maginnis & Walsh, archts., 100 Boylston St., Boston, for 3 story, 24 room, brick, concrete and steel, on Regent Ave. About $300,000. Noted March 3.

Conn., Danbury — Hospital — Bd. Dirs. Danbury Hospital, Locust Ave., rejected bids opened June 14, and having revised plans prepared by Lord & Hewlett, archts., 345 5th Ave., New York City, for 4 story 35 x 117 ft. nurses home and 4 story, 40 x 125 ft. service building, at hospital. About $300,000. Noted June 9.

Conn., Hartford—Amusement—Park St. Investment Co. c/o E. T. Wiley, archt., 75 Pratt St., having plans prepared for 3 story, brick, to include bowling alleys, assembly hall, theatre, etc., on Park St. About $175,000

Conn., Hartford — School — Southwest School Dist., 118 Asylum St., having plans prepared by I. A. Allen Jr. Inc., archts., 904 Main St., for 2 story, brick and steel addition on Monroe St. About $150,000. K. Gordon, chn.

Conn., Waterbury—School and Hall—Sacred Heart Roman Catholic Church rejected bids building 3 story, 30 x 150 ft. brick, steel and concrete, on Wolcott St. About $150,000. Project postponed until September. T. F. Freney, 51 Leavenworth St., archt. Noted June 2.

Conn., Waterbury—School and Gymnasium—Bd. Educ. had plans prepared by T. F. Freney, archt., 51 Leavenworth St., for 3 story, brick and steel addition to school, on Highland Ave. About $150,000.

Conn., West Hartford (Hartford P. O.)—Temple—Masonic Hall Assn., Fern St., having plans prepared by W. T. Arnold, archt., Hall & Lewis Bldg., Meriden, for 3 story, brick, steel and limestone, on South Main St. About $150,000. C. A. Griswold, chn.

Conn., Wethersfield — Temple — Masonic Temple Assn. having preliminary plans prepared by H. B. Sumner, archt., Wolcott Hill, Boston, for 3 story, brick, concrete and steel, on Main St. About $150,000.

N. Y., Elmhurst (Fluhing P. O.)—Lodge—Queensboro Lodge 878, B. P. O. E., Bway., Flushing, having plans prepared by Ballinger Co., archts. and engrs., 47 West 34th St., New York City, for brick, steel and stone, concrete foundation, on East Queens Blvd. near Grand St., here. About $500,000. J. Hallman, exalted ruler.

N. Y., Flushing—Theatre—Long Island Theatre Corp., 116 West Bway., New York City, plans to build 88 x 136 ft., on Bway. near Main St. About $400,000. Architect and engineer not selected.

N. Y., New York—Apartment—I. Margon, archt. and engr., 355 East 149th St., preparing preliminary plans for 6 story, 170 x 200 ft., brick, steel and stone, concrete foundation, on Grand Concourse and Kingsbridge Rd. About $500,000. Owner's name withheld.

N. Y., New York—Apartment—I. Polstein, 280 Madison Ave., having plans prepared by G. F. Pelham, archt. and engr., 200 West 72d St., for 11 story, 95 x 125 ft., brick, steel and stone, concrete foundation, at 280 Madison Ave. About $800,000.

N. Y., New York — Aparment — Walton Holding Corp., c/o Gronenberg & Leuchtag, archts. and engrs., 303 5th Ave., soon receives bids building 5 story, 90 x 100 ft., brick, steel and stone, concrete foundation, on 184th St. and Walton Ave. About $175,000.

N. Y., New York—Church—Unity Congregational Society of New York, 366 5th Ave., having plans prepared by Hoppen & Koent, archts. and engrs., 4 East 43d St., for 3 story, 75 x 75 ft., brick, steel and stone, concrete foundation, at 248-252 West 110th St. About $150,000.

N. Y., New York—College—Manhattan College, 131st St. and Bway., soon receives bids building brick, steel and stone, concrete foundation, on Spuyten Duyvil Parkway opposite Van Cortlandt Park. About $1,000,000. J. W. O'Connor, 162 East 37th St., archt. and engr. Noted April 14.

N. Y., New York — College — New York University, 32 Waverly Pl. had plans prepared by W. S. Gregory, archt. and engr., 1170 Bway., for 7 story, 50 x 50 ft., brick, steel and stone addition, concrete foundation, at 339 East 25th St. About $150,000.

N. Y., New York—Office and Showrooms—Namelock Co., c/o R. Almiroty, archt. and engr., 48 West 46th St., soon receives bids building 11 story, 45 x 95 ft., brick, steel and stone, concrete foundation, at 116 East 25th St. About $150,000.

N. Y., New York—Office and Store—L. Rubin, 370 East 149th St., having plans prepared by DeRose & Cavalieri, archts. and engrs., 370 East 149th St., for 2 story, 50 x 55 x 160 ft., brick, steel and stone, concrete foundation, on 161st St. and Brook Ave., Bronx. About $150,000.

N. J., Millville—High School—Bd. Educ. plans to build 2 or 3 story, steel and brick, concrete foundation, on High St. About $300,000.

N. J., Newark—Schools—Bd. Educ., Broad St., plans to build brick, steel and stone additions to schools on Charlton and Eliot Sts., concrete foundations. About $285,000 and $276,000 respectively. Private plans.

N. J., Princeton—Dormitory—Princeton University having preliminary plans prepared by Day & Klauder, archts., 925 Chestnut St., Phila., for 2½ story dormitory, on campus. About $200,000.

Pa., Lancaster—Gymnasium—Franklin & Marshall College having plans prepared by W. C. Pritchett, archt., 430 Walnut St., Phila., for 2 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on campus and Harrisburg Pike. About $150,000.

Pa., Phila.—Church—Second Church of Christ Scientist, 5443 Greene St., having plans prepared by Day & Klauder, archts., 925 Chestnut St., for 2 story, 68 x 76 ft. rein.-con., brick and steel, rein.-con. flooring, rock foundation, on Green and Coulter Sts. About $200,000.

Pa., Sunbury—Bank and Office—Sunbury Trust Co., 4th and Market Sts., having plans prepared by Ritter & Shay, archts., North Amer. Bldg., Phila., for 6 story, 60 x 120 ft. rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on 4th and Market Sts. About $200,000.

Pa., Unionville—School—Joint School Bd. of Molin having plans prepared by R. E. Shay, archt., North Amer. Bldg., Phila., for school, here. About $150,000. Address W. H. Fryer, North Brook.

D. C., Wash. — Club — City Club, 1634 I St. N.W., having revised plans prepared by F. B. Pyle, archt., Evans Bldg., for club. About $350,000.

D. C., Wash. — Hotel — Hamilton Hotel Corp., 4th and K Sts., having plans prepared by J. H. DeSibour, archt., Hibbs Bldg., for hotel. About $2,000,000.

D. C., Wash.—Theater—A. E. Walter & Co., Southern Bldg., having plans prepared by R. F. Beresford, archts., Southern Bldg., for theater. About $250,000.

Va., Norfolk — Church — Third Christian Church had plans prepared for 1 story, 100 x 135 ft., brick, steel and stone. About $150,000. W. H. Nicklas, 1900 Euclid Ave., Cleveland, O., archt.

W. Va., Maggie—Insane Asylum—State Bd. Control, Charleston, having plans prepared by P. A. Davis, 3d. archt., 1713 Samson St., Phila., for insane asylum for colored people, here. About $225,000. Noted June 23 under Charleston.

W. Va., Morgantown—Physical Educ. and Chemical—University of West Virginia having plans prepared by P. A. Davis, 3d, archt., 1713 Sansom St., Phila., for physical education and chemical buildings, here. About $300,000 and $400,000 respectively. Noted June 23 under Charlestown.

N. C., Goldsboro—Asylum—North Carolina State Hospital for Insane having surveys made and plans prepared for buildings, heating plant, power house, etc., here. About $300,000. R. G. Ball, 316 East Lane St., Raleigh, engr. Noted March 31.

Fla., Lakeland—Apartment Hotel—C. C. Wilson having plans prepared by B. C. Bonfoey, archt., Petteway Bldg., Tampa, for 3 story, 90 x 100 ft., rein.-con. and tile, rein.-con. flooring. About $100,000.

Tenn., Nashville—Office—Methodist Episcopal Church Bd. of Missions, having plans prepared by Dougherty & Gardener, archts., Stahlman Bldg., for 3 story addition to Doctors Bldg., on Church St. About $250,-000. W. W. Pinson, secy.

O., East Liverpool — Church — Methodist Protestant Church plans to build 76 x 120 ft., brick, on Jackson St. and Summit Lane. About $155,000. Architect not selected.

O., Elyria — Bank and Office — Elyria Savings & Trust Co. having plans prepared by Walker & Weeks, archts, 1900 Euclid Ave., Cleveland, for 7 story, 52 x 113 ft., brick, concrete and steel, rein.-con. flooring, brick foundation. About $300,000.

O., Lorain—School—Church of Nativity having plans prepared by J. E. Potter, archt., 802 The Arcade, Cleveland, for 3 story, 66 x 90 ft., brick and concrete, brick and concrete foundation. About $125,000.

O., Massillon — Bank and Office — First Natl. Bank having plans prepared by Walker & Weeks, archts., 1900 Euclid Ave., Cleveland, for 6 or 7 story, 50 x 93 ft. brick, rein.-con. and steel, on Mill and Erie Sts. About $175,000.

O., Rocky River (Cleveland, P. O.)—School—Bd. Educ. plans to build 2 story, brick, concrete and steel additions, rein.-con. flooring, brick and concrete foundation. About $225,000. Address K. Hastings, Rocky River. Architect not selected.

Mich., Northville—Hospital—Detroit Bd. Health, 1415 St. Antoine St., Detroit, having plans prepared by Stratton & Snyder, archts., Union Trust Bldg., Detroit, for 2 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, here. About $200,000.

Mich., Bessemer — Hotel — Gogebic Hotel Co. soon receives bids building 4 story, 45 x 96 ft. and 30 x 34 ft. concrete, brick and steel, rein.-con. flooring, concrete foundation. About $150,000. D. Hubert, Menominee, archt.

Ill., East St. Louis—School—School Dist. plans to build brick, rein.-con. and steel. About $350,000. Architect not selected.

Ill., Freeport — Hospital — St. Francis Hospital having plans prepared by G. F. Schreiber, archt., 105 West Monroe St.,

Buildings (Continued)

Chicago, for 4 story, 50 x 130 ft. brick, steel, rein.-con. and stone addition. About $180,000.

Ill., Hurst—High School—Bd. Educ. having plans prepared by Gill & Fath, archts., 1328 Walnut St., Murphysboro, for 2 story, 80 x 115 ft. brick, rein.-con. and steel. About $100,000.

Ill., Paxton — High School — Bd. Educ. plans to build 3 story, brick and stone, on East Center St. About $400,000. J. C. Strong, pres. Architect not selected.

Wis., Milwaukee — Apartment — Prospect Towers Corp., c/o A. C. Eschweiler, archt., 141 Wisconsin St., soon receives bids building 4 story, rein.-con. and brick, rein.-con. flooring, concrete foundation, on Prospect Ave. About $500,000. Noted April 7.

Wis., Milwaukee — Apartment—M. Tullgren & Sons, archts., 425 East Water St., rejected bids building 7 story, rein.-con. and brick, rein.-con. flooring, concrete foundation, at 264 Prospect Ave., for H. Marggraff, 964 10th St. About $300,000. Work will be readvertised. Noted June 16.

Wis., Wausau — Hospital — St. Marys Hospital and E. Brielmaier & Sons, archts., 432 Bway, Milwaukee, soon let contract building 4 story, 44 x 145 ft. hospital and 1 story, 32 x 36 ft. boiler house and laundry, rein.-con. and brick, rein.-con. flooring, concrete foundation. About $275,000. Noted June 23.

Ia., Audubon—Temple and Post Office—Audubon Masonic Home Assn. rejected bids opened June 21, building 3 story, 50 x 99 ft. brick, tile and terra cotta. About $75,000. G. Weaver, secy. W. W. Beach Co., 238 Motor Mart, Sioux City, archts. Noted June 2.

Ia., Dubuque—Junior High School—Bd. Educ., Bank and Insurance Bldg., having plans prepared by J. Royer, archt., Flat Iron Bldg., Urbana, for 3 story, rein.-con., brick, tile and stone. About $325,000.

Minn., Buhl—High and Grade School—City voted $500,000 bonds to build 3 story addition to high school and new 2 story grade school, rein.-con., brick, stone and tile. F. Anderson, clk. A. W. Kerr & Co., 240 La Salle Bldg., Minneapolis, archts.

Minn., Isle—School—Bd. Educ. rejected bids opened April 29, building 2 story, rein.-con., brick and tile. About $75,000. E. C. Boeck, clk. Foss & Foss, St. Cloud, archts. Noted April 14.

Minn., Minneapolis — Church — Third Church of Christ Scientist, receive bids about July 15, building 75 x 100 ft. brick, concrete, stone and steel, on Lagoon and Holmes Aves. About $150,000. Hewitt & Brown, Inc., 1200 2nd Ave. S., archts.

Minn., St. Paul—Seminary—Archdiocese of St. Paul having plans prepared by Maginnis & Walsh, archts., 100 Boylston St., Boston, for 2 and 3 story, rein.-con., brick tile and stone at Lake Johanna. About $500,000.

Neb., Blair — College — United Danish Lutheran Church, care of A. W. Lund, secy., 2211 28th Ave. S., Minneapolis, Minn., plans to construct rein.-con., brick, tile and stone buildings for Dana College, here. About $500,000.

N. D., Jamestown—High School—Bd. Educ. having plans prepared by Shannon, Boyd & Boyd, archts., Jamestown, for 3 story, 75 x 200 ft., rein.-con., brick and steel. About $200,000. C. F. Tweed, 531 Met. Bank Bldg., Minneapolis, Minn., engr.

Mo., Kansas City—Hall and Museum—City having plans prepared by H. Magonigle, archt. and engr., 101 Park Ave., New York City, for brick, stone and marble, concrete foundation. About $2,000,000.

Mo., St. Louis—Hospital—Missouri Pacific R.R., c/o P. F. Vasterling, 2102 South Compton St., had revised plans prepared by C. H. Wray, archt., Rialto Bldg., for 6 story, 100 x 200 ft., brick, stone and concrete, on Grand and Shaw Sts. About $450,000.

Tex., Cisco—High School—City soon receives bids building 3 story, rein.-con. About $200,000. Robertson & Griesenbeck, South West Life Bldg., Dallas, archts.

Tex., Gainesville — High School — City plans to build 3 story, brick and concrete. About $150,000. Fuston & Van Valkenburgh, 1309 Southwestern Life Bldg., Dallas, engrs. W. A. Packett, Sherman, archt.

Tex., Weslaco — School — Smith & Kelly, archts., 412 Natl. Bank of Commerce Bldg., San Antonio, opens bids latter part of July, building 2 story, 112 x 128 ft. rein.-con., rein.-con. flooring, for School Bd. About $90,000.

Okla., Muskogee — College — Bacone Indian University having plans prepared by Dawson & Bassham, archts., 207 Barnes Bldg., for 35 college buildings, rein.-con., steel, stone and brick, rock, concrete and brick foundations. About $5,000,000.

Col., Colorado Springs — Auditorium — City having plans prepared by C. E. Thomas and MacLaren & Hetherington, archts., 322 Hagerman Bldg., for auditorium. About $390,000. E. E. Ewing, clk.

Cal., Pasadena—Home—Pasadena Home for Aged, c/o F. L. Roehrig, archt., 319 Braley Bldg., having plans prepared for 2 story, hollow tile, concrete foundation, on Santa Clara Ave. About $200,000.

Ont., Walkerville—High School—School Bd. having plans prepared by J. R. Boyde, archt., Bartlett Bldg., Windsor, for rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Huron St. About $450,000.

BIDS DESIRED

Mass., North Adams—School and Gymnasium—School Dept. receiving bids building 2 story, brick and steel, rein.-con. flooring concrete foundation, on State St. About $150,000. N. C. Bond & Co., 476 Main St., Springfield, archts.

Conn., New Haven—Laboratory—C. S. Palmer, archt., 114 Whitney Ave., receiving bids building 2 story, 40 x 128 ft. brick, concrete and steel, rein.-con. flooring, concrete foundation, for New Haven Hospital, 330 Cedar St. About $100,000. Noted June 23.

Conn., Thomaston—High School—School Bd. receiving bids building 2 story, 80 x 140 ft. brick and steel, rein.-con. flooring, concrete foundation, on Main St. About $200,000. F. A. Webster, 51 West Main St., Waterbury, archt.

N. Y., Buffalo—Schools—Until July 11, by Bd. Educ., 1401 Telephone Bldg., constructing primary school 21 on Amherst St. and Park Lake Ave., 2 elementary schools, 1 on Poplar and Doat Sts. and other on Porter Ave. and Niagara St., also additions to elementary school 21 on Hertel Ave. and elementary school 60 on Ontario and Saratoga Sts. Noted June 30.

N. Y., Buffalo—Schools—Until July 12, by Bd. Educ., 1401 Telephone Bldg., constructing following Intermediate Schools, No. 71 on Roslyn St. and Lang Ave., No. 9 on Sherman and Lovejoy Sts., No. 11 on Moreland St. and Bailey Ave., No. 12 on Lorraine Ave. near Abbott Rd. Address Associated Buffalo Architects, 232 Delaware Ave. Noted June 30.

N. Y., Buffalo—Schools—Until July 13, by Bd. Educ., 1401 Telephone Bldg., constructing following Intermediate Schools, No. 2 on Hertel Ave. and Shoshone St., No. 6 on Northampton St., No. 8 on South Elmwood Ave. and Tupper St. Address Associated Buffalo Architects, 232 Delaware Ave. Noted June 30.

N. Y., New York—Bank—Until July 12, by United States Mortgage & Trust Co., 950 Madison Ave., building 2 story, brick and stone, concrete foundation, on Madison Ave. and 74th St. About $500,000. H. O. Chapman, 334 5th Ave., archt. and engr. Noted May 19.

Pa., Harrisburg—Office—Until Aug. 2, at office of T. W. Templeton, supt. Pub. Grounds and Bldgs. of Commonwealth of Pa., constructing new south office building in Capitol Park; advertised in this issue.

W. Va., Huntington—Dormitory—Until July 15, by State Bd. Control, Charleston, building 2 story, 37 x 110 ft., brick, stucco and stone. R. M. Bates, Jr., 1st Natl. Bank Bldg., archt. J. S. Lakin, Charleston, supt. construction.

O., Bay Village—School—Until July 21, by Bd. Educ. building 2 story, brick and concrete, rein.-con. flooring, brick and concrete foundation. About $225,000. H. A. Thompson, clk. C. W. Bates, Marshall Bldg., Cleveland, archt.

Mich., Wyandotte — High School — Until July 14, (change of date) by E. Haas, secy., Bd. Educ., 65 Spruce St., building 3 story rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Eureka, Sycamore, 5th and 7th Sts. About $500,000. B. C. Wetzel & Co., Dime Bank Bldg., Detroit, archts.

Ill., De Kalb — High School — Bd. Educ. wil build 3 story, 114 x 162 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation. About $225,000. Owner will build by separate contracts. C. W. Whitten, supt. J. C. Llewelyn, 38 South Dearborn St., Chicago, archts. Noted June 23.

Ill., Niles (Chicago P. O.)—Infirmary—E. Brielmaier & Sons, archts., 432 Bway., Milwaukee, receiving bids building 2 and 3 story, brick and concrete, rein.-con. flooring, concrete foundation, for St. Hedwigs Industrial School for Girls, here. About $160,000.

Ill., Onargo—Seminary—H. R. Temple, archt., Lincoln Bldg., Champaign, receiving bids building, 2 and 3 story, 48 x 78 ft. and 46 x 64 ft., brick, stone, concrete and hollow tile, for Grand Prairie Seminary. About $150,000. Noted June 23.

Wis., Sheboygan—Bank and Office—Until July 14, by Security Natl. Bank, building 7 story, 80 x 110 ft. rein.-con. and brick, rein.-con. flooring, concrete foundation. About $500,000. Brust & Philipp, Bway Bldg., Milwaukee, archts. Noted June 23.

Minn., Bemidji—High School—Until July 12, (change of date) by Bd. Educ. building 3 story, 148 x 230 ft. rein.-con., brick, tile and stone. About $250,000. J. T. Tuomy, clk. E. F. Broomhall, 710 Alworth Bldg., Duluth, archt. Noted Mar. 10.

Minn., Minneapolis—Music—Until July 13, by State Bd. Control, c/o D. F. Mullen, secy. Capitol, St. Paul, building 3 story, 95 x 160 ft. rein.-con., brick, tile and stone on State University campus, here. About $400,000. C. H. Johnston, 715 Capital Bank Bldg., St. Paul, archt. Noted Nov. 11, 1920.

Kan., Wichita—Theatre—Until July 13, by J. E. Eberson, archt., 64 East Van Buren St., Chicago, building 3 story, 40 x 90 ft. and 7 story, 50 x 140 ft. brick, rein.-con. and terra cotta, on 1st and Lawrence Sts., for Orpheum Bldg. Co., c/o A. Gray and G. W. Barr, 702 Schweiter Bldg. About $700,000.

Neb., Omaha — Store and Office — Until July 12, by Standard Oil Co., 19th and Farnam Sts., building 4 story, 72 x 88 ft. rein.-con. and brick. About $200,000. J. and A. McDonald, 523 Peters Trust Bldg., archts.

Tex., Denison—Hotel—Until July 11, by Denison Hotel Co., building 100 room, rein.-con. About $225,000. Robertson & Griesenbeck, Southwest Life Bldg., Dallas, archts.

Ore., Pendleton—Hospital—Until July 12, by State Bd. Control, Salem, building 3 story 53 x 164 ft., with 28 x 60 and 28 x 32 ft. wings, rein.-con., at Eastern Oregon State Hospital, here. About $160,000. M. H. Whitehouse, 633 Kearney St., Portland, archt.

Ont., Hamilton—School—Until July 18, by R. H. Foster, secy. Bd. Educ. building 4 story, rein.-con., brick and steel addition, rein.-con. flooring, concrete foundation, on Wentworth St. N. About $800,000. Witton & Walsh, Hamilton Provident & Loan Bldg., archts.

Ont., Saulte Ste. Marie—High School—Until July 18, by J. T. Later, secy. High School Bd., building 3 story, 16 room, rein.-con., brick and steel, concrete foundation, on Tancred and Wellington Sts. About $350,000. Findlay & Foulis, 527 Queen St. E., Toronto, archts. Noted June 9.

Man., Winnipeg — Collegiate — Until July 26, by School Bd., building 3 story, 265 x 318 ft. rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Alverstone and Wellington Sts. About $1,000,000. J. N. Semmens, 508 Great West Perm. Bldg., archt.

Man., Winnipeg — Medical College—Until July 14, by A. A. Stoughton, archt., University Bldg., constructing 2 story, 60 x 160 ft. rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Bannatyne and Emily Sts., for for Provincial Government. Cost between $200,000 and $250,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Boston**—Municipal—City let contract building 4 story, 105 x 125 ft. brick, on Shawmut Ave., to M. Seretto, 3 Tremont Row. About $360,000. Noted June 30.

★**Mass., Worcester**—College—Assumption College, Assumption Ave., let contract remodeling 3 story college, to U. Dorais, Exeter St. About $150,000.

★**Conn., Stamford**—School—City let contract building 2 story addition to Cove Rd. School, brick, steel and concrete, rein.-con. flooring, concrete foundation, to Vuono Constr. Co., Bann Bldg. About $125,000. Noted June 23.

★**N. Y., Brooklyn**—Apartments—Bestrose Realty Co., c/o Gronenberg & Leuchtag, archts. and engrs., 303 5th Ave., New York City, will build three 4 story, 55 x 100 ft. brick, steel and stone, concrete foundations, on 17th Ave. and 75th St., here. About $150,000 each. Work will be done by day labor.

★**N. Y., New York** — Apartment — S. Brand, c/o C. Schaefer, archt. and engr., 394 East 150th St., will build 5 story, 100 x 100 ft. brick, steel and stone, concrete foundation, on Jessup Ave. About $200,000. Work will be done by day labor.

★**N. Y., New York**—Apartment—Lencrif Realty Co., c/o M. W. Del Gaudio, archt. and engr., 158 West 45th St., will build 5 story, 100 x 100 ft. brick, steel and stone, concrete foundation, on 259th St. and Newton Ave. About $150,000. Work will be done by day labor.

Buildings (Continued)

★**N. Y., New York** — Apartments — Eight Sixty West One Hundred Eighty-first St. Corp., c/o G. F. Pelham, archt. and engr., 200 West 72d St., will build two six story, brick, steel and stone, concrete foundations, at 860 West 181st St. About $250,000 each. Work will be done by day labor.

★**N. Y., New York**—Apartment—Slawson & Hobbs, 162 East 72nd St., will build 5 story, 90 x 100 ft., brick, steel and stone, concrete foundation, on Dyckman St. and Sherman Ave. About $300,000. Work will be done by day laor. J. M. Felson, 1133 Bway., archt. and engr.

★**N. Y., New York**—Apartment—Zedee Realty Corp., c/o G. F. Pelham, archt. and engr., 200 West 72nd St., will build 5 story, 90 x 100 ft. brick, steel and stone, concrete foundation, at 4320 Bway. About $175,000. Work will be done by day labor. Noted June 23.

★**N. Y., New York** — Bank and Office — Columbia Trust Co., 60 Bway., let contract building 3 story, brick and stone, brick foundation, at 163 West 125th St., to V. Lynch, 13 Park Row. About $200,000. Noted June 9.

★**D. C., Wash.**—Apartment-Hotel—R. P. Whitty Co., Union Trust Bldg., will build apartment hotel. About $250,000. Work will be done by day labor. J. H. DeSibour, Hibbs Bldg., archt.

★**D. C., Wash.**—Legation—G. O. Totton, archt., 808 17th St., let contract to W. P. Lipscomb, Dist. Natl. Bank Bldg., constructing legation building, on 16th and Fuller Sts. N. W., here, for Netherlands Government. About $200,000. Noted May 5.

★**Va., Richmond**—Library—State Bldg. Comn. let contract building library on 13th and Broad Sts., to J. T. Wilson Co., Mutual Bldg. About $3,000,000; cost plus percentage basis.

★**N. C., Chapel Hill**—Dormitories, etc. University of North Carolina let contract constructing dormitories, heat, light and water plants, and several other buildings, to T. C. Thompson & Co., 609 North Smith St., Charlotte. About $1,100,000. Noted June 23.

★**Fla., Jacksonville**—Apartment Hotel—C. T Doty, 420 Main St., let contract building 3 story, 70 x 190 ft. rein.-con., tile and brick, rein.-con. flooring, on Riverside Ave., to B. P. Kennard, 1517 Ernest St. About $100,000, cost plus percentage basis.

★**O., Akron**—Hotel and Theatre—Commodore Perry Hotel Co., care of B. A. Shriber, let contract building 10 story, 132 x 251 ft., brick, steel and concrete, rein.-con. flooring, brick and concrete foundation, to G. A. Fuller Co., Swetland Bldg., Cleveland. About $2,000,000. Noted May 5.

O., Cleveland—High School—Bd. Educ., East 6th St. and Rockwell Ave., received bids building two 3 story, 40 x 140 ft. wings, brick, steel and concrete, rein.-con. flooring, brick and concrete foundation, on Parkwood Dr. and Everton Ave., from W. Moore Co., 1274 West 4th St., $185,990, Drummond-Miller Co., 4500 Euclid Ave., $214,830, Tenbusch Parker Constr. Co., Union Bldg., $214,910; steam heating work, from Feldman Bros., Barrett Ave., $39,850. Noted June 9.

★**Mich., Calumet** — Hospital — Calumet Pub. Hospital let contract building superstructure for 3 story concrete, brick and steel, rein.-con. flooring, to W. F. Milford, Calumet. About $150,000.

★**Mich., Detroit** — Temple — Temple Beth El, 3414 Woodward Ave., let contract building 5 story, 121 x 200 ft. with 1 story auditorium, rein.-con., brick, stone and steel, rein.-con. flooring, concrete foundation, on Woodward and Gladstone Aves., to Brayton Eng. Co., 907 Kresge Bldg. About $500,000. Noted April 7.

★**Ill., West Frankfort** — Church — St. Marys Catholic Church let contract building, brick, stone and steel, to Bauer Bros., Belleville. About $150,000.

Ia., Belle Plaine—High School—Bd. Educ. received bids building 2 story, 125 x 132 ft. rein.-con., brick and tile, from J. Park Co., Belle Plaine, $108,575; Currie-Simpson Co., Waterloo, $109,490; J. Miller, 502 Black Hawk Bank Bldg., Waterloo, $110,980. Noted June 2.

Ia., Council Bluffs—Hospital—Jennie Edmundson Hospital Assn. received bids constructing 3 story, 42 x 124 ft. hospital on Oak and Pierce St. (a) main building, (b) kitchen, from Parsons Co., 616-620 Keeline Bldg., Omaha, (a) $129,478, (b) $18,790; J. E. Wakefield, 715 Brandeis Theatre Bldg., Omaha, (a) $129,000, (b) $20,000; Jones Eng. & Constr. Co., Omaha, (a) $131,989, (b) $19,128. Noted June 16.

★**Ia., Orient**—School—Bd. Educ. let general contract building 2 story, 66 x 120 ft. rein.-con., brick, tile and stone, to Campbell Constr. Co., Creston. About $87,900. Noted June 16.

★**Minn., Hallock**—Hospital—Kittson Co. War Veterans Memorial Hospital Assn. let contract building 2 story, rein.-con., brick, tile and stone, to Minneapolis Bridge Co., 1035 Metropolitan Life Bldg., Minneapolis. About $100,000; cost plus percentage basis. Noted March 17.

★**Minn., Minneapolis**—High School—Bd. Educ. let general contract building Jordan Junior High School, 3 story, 196 x 262 ft. with 2 story, 153 x 159 ft. wing, rein.-con., brick, tile and stone, to J. C. Nelson & Son, 619 Plymouth Bldg., $416,800; heating and ventilating, to H. Kelly Co., 925 Plymouth Bldg., $60,542. Noted June 23.

Kan., Salina — Office — Farmers Union Mutual Insurance Co., let general contract building 4 story, 75 x 100 ft., to Peterson Constr. Co., Salina $106,680; heating and plumbing, to Salina Plumbing Co., Salina, $19,750. Noted May 26.

★**Neb., Omaha**—Theater—C. H. Crane, archt., 400 Huron Bldg., Detroit, Mich., let contract to J. Black, 3545 Harney St., building 5 story, 110 x 132 ft. rein.-con., brick and steel, on 5th and Douglas Sts., for World Realty Co., 4110 Farman St. About $500,000. Noted June 23.

★**Mo., St. Louis**—Apartments—C. Ulman, 4540 Lindell Blvd., will build two 8 story, 50 x 100 ft. and 92 x 95 ft., brick and steel, rein.-con. flooring, on Kingshighway and Lindell Blvd. About $500,000 each. Work will be done by day labor under supervision of P. J. Bradshaw, archt., International Life Bldg. Noted May 19.

★**Tex., Abilene**—Schools—City let general contract building one 59 x 75 ft. and two 59 x 123 ft., concrete, rein.-con. flooring, to Walsh & Burney, Hicks Bldg., San Antonio. About $190,000.

Ont., Hamilton—Nurses Home—Hospital Bd. received lowest bid building 5 story, 45 x 175 ft. rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Barton and Euclid Aves., from W. H. Yales Constr. Co., 17 Main St. E, About $280,000.

★**Ont., Richmond Hill** — Home — Loyal True Blue Orange Lodge, Orange Bldg., Toronto, let general contract building 3 story, 125 x 195 ft. rein.-con., brick and steel, rein.-con. flooring, concrete foundation, to R. H. Harman & Son, 248 Dupont St., Toronto, $197,666. Noted April 14

Ont., Toronto — School — Bd. Educ. received following bids building Riverside Technical School, 3 story, 30 room, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, (general contract), from Witchell & Son, 156 St. Helens Ave., $619,888; plumbing and heating, from W. C. Edge Ltd., 47 Richmond St. E., $117,537; wiring, from Bennett & Wright, 72 Queen St. E., $45,470. Noted June 9.

★**Ont., Windsor**—Temple—Masonic Lodge let general contract building 3 story, 110 x 112 ft. rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Erie and Ouellette Sts., to Nuxlow & Gale, 207 Ouellette Ave. About $145,000. Noted June 2.

Federal Government Work

PROPOSED WORK

O., Dayton—Hospital—U. S. Natl. Military Home having plans prepared by Schenk & Williams, archts., Mutual Home Bldg., for 3 story, rein.-con. and brick, rein.-con. flooring, concrete foundation, at Military Home, here. About $200,000.

Cal., San Diego—Dredging and Filling—Spec. 4485—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to dredge and fill at Repair Base, here.

BIDS DESIRED

R. I., Providence—Dredging—Until July 22, by U. S. Engineer, Providence, dredging in New Haven Harbor, Conn.; advertised in this issue.

R. I., Providence—Removing Boulders—Until Aug. 1, by U. S. Engineer, removing boulders, etc., at Point Judith Harbor of refuge; advertised in this issue.

N. Y., New York—Fire Alarm System—Spec. 4470—Until July 20, by Bureau Yards & Docks, Navy Dept., Wash., D. C., constructing fire alarm and watchmans' signal system, here. Noted June 16.

Pa., Pittsburgh—Lock Valves—Until July 25, by U. S. Engineer, furnishing and delivering for Lock 5, Allegheny River; advertised in this issue.

N. Y., New York—Dredging—Until July 29, by U. S. Engineer, Room 316, Army Bldg., dredging in Shrewsbury River and Keyport Harbor, N. J.; advertised in this issue.

W. Va., Wheeling—Double Houses—Until July 27, by U. S. Engineer, constructing two 2 story double houses at Dams 14 and 26, Ohio River; advertised in this issue.

Miss., Vicksburg — Towboat — Until July 22, by 3d Mississippi River Dist., P. O. Box 404, furnishing towboat; advertised in this issue.

Tenn., Memphis—Levee Work—Until July 11, by Mississippi River Comn., 1st and 2d Dists., Customhouse, constructing levee work in Upper and Lower St. Francis and Reelfoot Levee Dists.; advertised in this issue.

Tex., Galveston—Submerged Riprap Spurs —Until July 15, by U. S. Engineer, constructing from North Jetty at Port Arkansas.

Cal., San Diego—Sprinkler System—Spec. 4466—Until July 27, by Bureau Yards & Docks, Navy Dept., Wash., D. C., constructing, here. Noted June 16.

Cal., San Francisco—Dredging—Until July 20, by U. S. Engineer dredging in San Rafael Creek, here.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

R. I., Newport—Refrigerator Equipment — Spec. 4363 — Bureau Yards & Docks, Navy Dept., Wash, D. C., received bids June 22 installing at Naval Sta., here, from York Mfg. Co., York, Pa., (1) $5,910 (60 days); J. Manville Inc., 296 Madison Ave., New York City, (1) $6,827 (60 days). Noted June 16.

★**N. Y., New York**—Dump Scow—Spec. 4474—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract for dump scow, to Phoenix Constr. Co., 41 Park Row, $22,450 (68 days). Noted June 30.

N. J., Camden—Dredging—Dist. Engineer, 815 Witherspoon Bldg., Phila., Pa., received bids June 28 dredging in Delaware River, here, involving (a) Sect. A, 137,000 cu.yd. scow measurement (b) Sect. B, 225,000 cu. yd. scow measurement, from Amer. Dredging Co., Marine & Merchants Bldg., Phila., (a) $0.40, (b) $0.43; Arundel Corp., 2 Pratt St., Baltimore, (a) $0.40, (b) $0.40. Noted June 9.

★**D. C., Anacostia**—Shop Building—Spec. 4389—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract constructing at Naval Air Sta., here, to P. H. Sears, 410 Bond Bldg., Wash., D. C., $31,345 (120 days). Noted June 30.

D. C., Washington—Remodeling Roof—Treas. Dept. received bids remodeling U. S. Treasury roof, from M. Serreto, 3 Tremont Row, Boston, $159,000; Hillard & Pierce, New York City, $212,249; Wise Granite Constr. Co., Amer. Natl. Bank Bldg., Richmond, Va., $233,390.

Va., Fort Meyer — Road — Constructing Quartermaster, Room 2416, War Trade Bldg., 20th and C Sts. N. W., Wash., D. C., received bids June 25, constructing roads, here, (1) work complete, from Cranford Paving Co., 2620 East St. N. W., Wash., D. C., (1) $71,600 (2) $29,096 (3) $22,200 (4) $690 (5) $7,700 (6) $1,200 (7) $2,500 (8) $4,300; W. F. Cush, 3rd and R Sts., Wash., D. C., (1) $80,953 (3) $27,300 (3) $24,000 (4) $1,900 (5) $7,300 (6) $1,143 (7) $4,900 (8) $3,600, L. M. Johnson, Wash., D. C., (1) $98,884 (2) $29,000 (3) $21,000 (4) $900 (5) $30,000 (6) $1,400 (7) $5,000 (8) $8,000. Noted June 16.

★**Va., Hampton Roads** — Machine and Carpenter Shop—Spec. 4382—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract constructing, here, to W. F. Martins, 53 Franklin St., Rochester, N. Y., $108,434 (165 days).

★**Va., Quantico**—Breakwater—Spec. 4463 —Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract extending breakwater, at Marine Barracks, here, to Carpenter & Petrie, P. O. Box 1243, Norfolk, $27,391 (120 days). Noted June 30.

★**Va., Quantico**—Trestle, etc.—Bureau Yards & Docks, Navy Dept., Washington, D. C., let contract constructing trestle, bridge and concrete road, at Marine Flying Field, here, to Monaghan & Imbach, 3000 Greenmount Ave., Baltimore, $86,307.

★**Kan., Ft. Leavenworth** — Leavenworth Co. let contract grading, surfacing and draining Sect. C, Federal Aid Project 13, bituminous macadam, to Missouri Valley Bridge & Iron Co., 4th and Walnut Sts., Leavenworth, $143,058.

★**Tex., Ft. Worth** — Deepening Water Wells—Spec. 4472—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract deepening wells, here, to Q. D. Lewis, 2101 Market Ave., $24,476 (170 days). Noted June 23.

★**Arizona**—State Highway Dept., Phoenix, let contract paving, grading, draining and constructing bridges on 2.543 mi. Ray-Superior Highway, Federal Aid Project 28, involving (a) 26,300 cu.yd. excav. (b) 226 cu.yd. Class A and (c) 259 cu.yd. Class B concrete, to R. Toohey, Phoenix, (a) $1.06 (b) $25, (c) $23, etc., total $51,846.

Federal Government Work (Continued)

Cal., San Diego—Distributing System—Spec. 4442—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids June 29 constructing steam distributing system and returns, here, (1) work complete, from C. H. Julian, 1228 2nd St., San Francisco, (1) $10,949 (90 days); T. Haverty Co., 8th and Maple Sts., Los Angeles, (1) $12,480 (120 days); J. R. Proctor, 120 Liberty St., New York City, (1) $12,900 (120 days). Noted June 16.

Cal., San Diego—Elevators—Spec. 4441—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids June 29, constructing at storehouse, here, (1) work complete, from Hollister Whiteney Co., Quincy, Ill., (1) $22,653 (180 days) (2) $11,627; Otis Elevator Co, Metropolitan Bank Bldg., Wash., D. C., (1) $28,600 (180 days) (2) $14,584; Kastner & Hecht, 1300 West Harrison St., Chicago, (1) $31,316 (140 days) (2) $16,000 (120 days). Noted June 16.

★**Cal., San Diego**—Sewer and Water Systems—Spec. 4365—Bureau Yards & Docks Navy Dept., Wash., D. C., let contract constructing, here, to De Waard & Cobham, 207 Granger Bldg., $103,345 (150 days). Noted June 30.

★**Cal., San Diego**—Machine Shop, etc.—Spec. 4411—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract constructing machine shop, fire engine house, etc., at Naval Base Air Sta., here, to K. E. Parker Co., 519 California St., $121,400 (210 days).

H. T., Pearl Harbor—Foundations—Spec. 4396—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids June 29, constructing foundations for machine shop, at Naval Sta., here, from Hawaiian Contg. Co., 854 Kauhunana St., Honolulu, (1) $59,675 (120 days); W. F. Martin, 53 Franklin St., Rochester, N. Y., (1) $68,297 (140 days); R. E. Wooley, 305 James Campbell Bldg., Honolulu, (1) $78,000 (130 days). Noted May 12.

★**Alaska, Sitka** — Radio Towers — Spec. 4445—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract constructing two 300 ft. steel radio towers and one 200 ft. Guyed Tubular Mast, at Naval Radio Sta., here, to Hurley-Mason Co., 4 North Main St., Seattle, Wash., $22,220 (175 days). Noted June 9.

Miscellaneous

PROPOSED WORK

Park—Trenton, N. J.—City Comn. plans to build park in 11th Ward. About $25,000. G. W. Page, City Hall, dir. of Parks.

Swimming Pools—St. Paul, Minn.—City care of J. M. Clancy, comr. Parks, Playgrounds and Pub. Bldgs., plans to build 2 concrete swimming pools, each 75 x 160 ft., 4-7 ft. deep, in Como Park. About $30,000. F. Nussbaumer, St. Paul, supt. parks.

Stadium Bowl—Jamestown, N. D.—Jamestown College had survey made for 500 ft. stadium bowl, terraced seats of cement for athletic field, also tunnel system for heating mains. About $50,000. B. H. Krooze, pres.

Park Improvements — Mandan, N. D. — Park Bd. having plans prepared improving Chautauqua Park, including temporary dam. About $25,000. W. J. Seitz, city clk.

Garbage Reduction Plant—Tulsa, Okla.—City voted $50,000 bonds for garbage reduction plant; $30,000 of which will be used to remodel present plant and other $20,000 for additional equipment. L. E. Preston, city health supt.

Incinerator — Port Arthur, Tex. — See "Sewers."

Harbor Improvements — Port Lavaca, Tex.—City plans to improve harbor. About $125,000. Address Mayor.

BIDS DESIRED

Pavilion—Central Islip, N. Y.—Until July 20, by State Hospital Comn., Capitol, Albany, building open air pavilion, at Central Islip State Hospital, here. E. S. Elwood, secy. L. F. Pilcher, Capitol, Albany, state archt.; advertised in this issue.

Heating and Ventilating Apparatus, etc.—Morris Park (Jamaica P. O.), N. Y.—Until July 12, by R. W. Rodman, supt. Plant Operation of Bd. Educ., Municipal Bldg., New York City, installing (1) heating and ventilating apparatus, (2) temperature regulation apparatus, in P. S. 57, on Curtis Ave. south of Jerome Ave., here.

Pier and Platforms—New York, N. Y.—Until July 15, by M. Hulbert, comr. Docks, Pier "A," foot of Battery Pl., North River, building pier and platforms on outshore portion of Brooklyn Bridge Impvt., Boro. of Manhattan, Contr. 1694.

Crushed Rock Sand—Phila., Pa.—Until July 13, by M. Smith, purch. agt., 17th and Filbert Sts., furnishing 40,000 ton crushed rock sand. About $60,000.

Lumber and Granite Paving Blocks—New Orleans, La.—Until July 12, by Bd. Port Comrs., Court House Bldg., furnishing 400,000 ft. creosoted southern pine timber, also 45,000 granite paving blocks, 10-12 in. long, 4 in. wide, 5-6 in deep.

Paint—New Orleans, La.—Until July 12, by Bd. Port Comrs., furnishing paint. W. O. Hudson, pres.; advertised in this issue.

Lighting System—Champaign, Ill.—City receiving bids constructing lighting system on various streets. About $80,000. F. C. Lohman, Champaign, engr.

Street Cleaning Machines — West Allis, Wis.—Until July 16, by Bd. Pub. Wks. furnishing 1 street cleaning machine. A. Wichner, secy.

Steam Shovel, etc.—Calhoun, Mo.—Until July 15, by C. Neilson, furnishing steam shovel, pumps, water piping, track, coal cars and dumping engine. About $25,000.

Culverts—Gilmer, Tex.—Until July 11, by J. R. Melvin, judge Upshur Co. rebuilding concrete and steel drainage structures and constructnig new drainage structures of concrete and steel in Div. 3, on Highway 11, Federal Aid Project 152, involving 1,099.6 cu.yd. Class A and 24 cu.yd. Class B concrete, 39,755 lb. structural and 96,869 lb. reinforcing steel, 591 cu.yd. dry structural and 195 cu.yd. wet structural excav., cost $53,745; Divs. 1 and 2, State Highway 11, involving 7.06 cu.yd. Class A rein.-con., 3,525 lb. reinforcing steel, 254 sq.yd. riprap, 940 cu.yd. dry and 465 cu. yd. wet excav., etc., cost $27,904. H. S. Wilder, Mt. Pleasant, engr.

Docks—Quebec, Que.—Until July 17, by Secretary Dept. of Marine, Ottawa, Ont., completing Champlain Dock, here. About $136,000. A. Anderson, 82 Somerset St. W., Ottawa, engr.

Culverts—Ontario—Until July 21, by W. A. McLean, deputy minister of highways, Parliament Bldgs., Toronto, building concrete culverts on Provincial Highways in Biddulph, Downie, Blanchard, Plympton, Warwick and Sarna Twps., involving 4,500 cu.yd. excav., 2,100 cu.yd. rein.-con. About $50,000. Provincial Highway Dept. furnishes cement and steel. G. Hogarth, Parliament Bldgs., Toronto, engr.

Harbor Improvements—Port Arthur, Ont.—Until July 17, by Secretary Dept. of Marine, Ottawa, improving harbors here and at Ft. William. About $170,000. A. H. Anderson, 82 Somerset St. W., Ottawa, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Fill—West Springfield, Mass.** (Springfield P. O.) — Connecticut Valley Realty Co., 387 Main St., Springfield, let contract constructing 100,000 cu.yd. earth fill, in connection with new Connecticut River Bridge, to Adams & Ruxton Constr. Co., 3rd Natl. Bank Bldg., Springfield. About $30,000.

★**Broken Stone and Screenings — Long Island City, N. Y.**—M. E. Connolly, pres. Queens Boro, let contract furnishing and delivering 23,000 cu.yd. broken stone and screenings, to Tuohy & Upton, 98 Main St., Flushing, $70,380. Noted June 30.

Asphalt Paving Cement—New York, N. Y.—H. H. Curran, pres., Manhattan Boro., Municipal Bldg., received bids June 27, furnishing and delivering 600 ton asphaltic paving cement, from Warner-Quinlan Co., 79 Wall St., $23.23 per ton $13,938; Standard Oil Co. of New York, 26 Bway., $23.98, $14,388; Texas Co., 17 Battery Pl., $28.44, $17,064. Noted June 23.

Bituminous Materials—New York, N. Y.—H. H. Curran, pres. Manhattan Boro., received bids June 27, furnishing and applying 10,000 gal. bituminous material for cold application to surface on Riverside Dr. from 158th to Dyckman Sts., from Barrett Co., 17 Battery Pl., $1,450. Noted June 23.

Bulkhead Wall—New York, N. Y.—M. Hulbert, comr. Docks, Pier "A," foot of Battery Pl., North River, received bids June 30, building bulkhead wall at and near foot of Battery Pl., Contr. 1719, from Lustig & Weil, 103 Park Ave., $81,650; H. Steers, Inc., 17 Battery Pl., $81,837; G. W. Rogers & Co., 29 Bway., $90,960. Noted June 23.

Bituminous Material, etc.—St. George, S. I. N. Y.—C. D. Van Name, pres. Richmond Boro., received bids June 27, furnishing and delivering (1) 65,000 gal. bituminous material for road surfacing in tank cars at any railroad station, (2) 200 cu.yd. 1½ in. broken stone, 150 cu.yd. ¾ in broken stone and 100 cu.yd. screenings of limestone or dolomite in Dist. 1, (3) 300 cu.yd. 1½ in. broken stone, 100 cu.yd. ¾ in. broken stone and 100 cu.yd. screenings of limestone or dolomite in Dist. 2, (4) 500 cu.yd. 1½ in. broken stone and 150 cu.yd. screenings of limestone or dolomite in Dist 3, (5) 700 cu. yd. ¾ in. broken stone and 700 cu.yd. screenings of limestone or dolomite at asphalt plant of Bureau of Highways, (6) 275 cu.yd. grits in Dist. 2, (7) 200 cu.yd. grits in Dist. 2, (8) 250 cu.yd. grits in Dist. 3, (9) 275 tons Natural Lake asphalt at Asphalt Plant of Bureau of Highways; furnishing and applying (10) 7,000 gal. bituminous material, from:

F. J. Lewis Mfg. Co., (1) $6,935.

Barrett Co., 17 Battery Pl., New York City, (1) $7,275, (10) $1,120.

B. Turecamo Contg. Co., 8702 Bay 12th St., Brooklyn, (2) $1,595, (3) $1,795, (4) $3,022, (5) $4,466, (6) $1,180 (7) $2,220, (8) $1,312.

J. E. Donovan, 2205 Richmond Terrace, Port Richmond, (2) $1,875, (3) $1,875, (4) $2,800, (5) $4,900, (6) $935, (7) $1,750, (8) $900, (9) $40 per ton, total cost $11,000.

J. Johnson Sons, 455 Bway., West New Brighton, (2) $2,162, (3) $1,845, (4) $2,645, (5) $4,452, (6) $1,100, (7) $2,125, (8) $1,062, (9) $42 per ton, $11,550. Noted June 23.

★**Lumber—New Orleans, La.**—Bd. Port Comrs. let following contracts furnishing lumber for Desire St. wharf, 285,000 ft. untreated pine lumber, to Frerich Lumber Co., New Orleans, $7,983; 80,000 lin.ft. creosoted piling, 45-100 ft. long, to Creosoted Material Co., Queen and Crescent Bldg., $35,750; 630,000 ft. creosoted southern pine timber, to Hattiesburg Creosoted Lumber Co., Hattiesburg, Miss., $79,824.

★**Unloader—New Orleans, La.**—Bd. Port Comrs. let contracts building superstructure and furnishing machinery and equipment for marine leg unloader, involving 210 to 230 ton steel, to Crane & Co., South Michigan Ave., Chicago, $114,000; 66,000 lin.ft. creosoted piling for marine leg elevator, to Creosoted Materials Co., Queen and Crescent Bldg., $42,389. Noted Feb. 10 and May 19.

Plumbing, Heating and Ventilating Systems—Cleveland, O.—City received bids installing plumbing, heating and ventilating systems in new city hospital building (now under construction), from W. G. Cornell Co., Leader-News Bldg., $469,940; Warden & Leese, 2527 Prospect Ave., $489,000. Former bids rejected. Noted June 9.

★**Mechanical and Electrical Equipment—Detroit, Mich.**—Dept. Parks & Blvds., 602 Marquette Bldg., let contract furnishing and installing mechanical and electrical equipment for Scott Memorial Fountain on Belle Isle, including electrically operated pumps, piping, special work and lighting equipment, to Pittlekow Heating & Eng. Co., 312 West Larned St., $75,785. Noted March 31.

Memorial Fountain — Detroit, Mich. — Parks & Blvds. Dept., 602 Marquette Bldg., received bids building fountain, marble bowl, cascades, etc. (earth fill not included) for Scott Memorial Fountain on Belle Isle, from J. Bollin Co., 1259 Book Bldg., $343,000; G. A. Fuller Co., 540 Penobscot Bldg., $350,500. Noted March 31.

Sewer Brick—Detroit, Mich.—Dept. Pub. Wks. received bids furnishing 1,000,000 hard burned sewer brick, from P. Koenig Coal Co., 1458 Gratiot Ave., $16.25 per M; Superior Sand & Gravel Co., 926 Dime Bank Bldg., $16.50; United Fuel & Supply Co., Free Press Bldg., $17.64.

Steel Track Specials — Detroit, Mich. — Street Ry. Comn., Murphy Bldg., received bids furnishing steel double track specials, from Lorain Steel Co., Lorain, O., $34,528; Buda Co., 80 East Jackson St., Chicago, $36,070; W. Wharton, Jr., Easton, Pa., $37,474.

★**Coal Hoppers — Milwaukee, Wis.** — Milwaukee-Western Fuel Co., 120 Wisconsin St., let contract building timber coal hoppers, concrete foundations, on 13th and Canal Sts., to F. Luenzmann Co., 31st St. and Auer Ave. About $40,000.

Swimming Pool—Camp Dodge, Ia. (Herrold P. O.)—Pearse, Robinson & Sprague, engrs., 261 Arts Bldg., Des Moines, received bids June 27, building 10 x 150 x 350 ft. rein.-con. swimming pool, here, for State Military Comn., Capitol, Des Moines, from Stark & Knotts, 204 5th St., Des Moines, $33,105; Western Constr. Co., Waterloo, $33,546; Des Moines Eng. & Constr. Co., 407 Polk Bldg., Des Moines, $33,624. Work involves 12,100 cu.yd. earth excav., 467 cu.yd. rein.-con., 57,000 sq.ft. paving for water proofing tank inside, 5,000 sq.ft. of sidewalk around tank, 43-ton steel, 200 lin.ft. 15 in. tile and 200 ft. 12 in. steel pipe. Noted June 23.

★**Foundation—Minneapolis, Minn.**—Federal Reserve Bank, 9th Dist., let contract building foundation for 8 story, 155 x 165 ft. rein.-con., brick, tile and stone, at 71-75 5th St., to Pike & Cook, 416 South 5th St. About $275,000. Superstructure will not be built until 1922. Noted June 9.